

CONTACTORS, STARTERS, RELAYS & TIMERS



Questions? Answers at...

Western US: 1-866 CED-ELEV
or 1-866-233-3538 • Fax 1-562-427-8429

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*for 24 hour order entry,
cross reference data base,
product specifications
with pictures and much more!*

Full line catalog available on request

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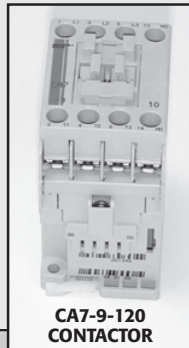
Sprecher & Schuh 3-Pole Contactors

CA7 Non-Reversing Three-Pole Contactors

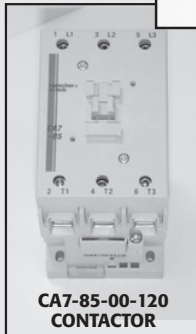
Part Number*		Nema Equivalents	Maximum Horsepower Ratings				Maximum Inductive				
AC Operated	DC Operated		1-phase 50/60 Hz 115/120V 230/240V		3-PHASE 50/60 Hz 200/208V 220/240V 460/480V 575/600V		Current (Amps)	Aux N/O	Aux N/C		
CA7-9-10-*	CA7-9E-10-*	Size 00	0.5	1.5	2	2	5	7.5	9	1	0
CA7-9-01-*	CA7-9E-01-*	"	0.5	1.5	2	2	5	7.5	9	0	1
CA7-12-10-*	CA7-12E-10-*	"	0.5	2	3	3	7.5	10	12	1	0
CA7-12-01-*	CA7-12E-01-*	"	0.5	2	3	3	7.5	10	12	0	1
CA7-16-10-*	CA7-16E-10-*	SIZE 0	1	3	5	5	10	15	16	1	0
CA7-16-01-*	CA7-16E-01-*	"	1	3	5	5	10	15	16	0	1
CA7-23-10*	CA7-23E-10*	SIZE 1	2	3	5	7.5	15	15	23	1	0
CA7-23-10*	CA7-23E-10*	"	2	3	5	7.5	15	15	23	1	0
CA7-30-00-*	CA7-30E-00-*	"	2	5	7.5	10	20	25	30	0	0
CA7-37-00-*	CA7-37E-00-*	"	3	5	10	10	25	30	37	0	0
CA7-43-00-*	CA7-43E-00-*	SIZE 2	3	7.5	10	15	30	30	43	0	0
CA7-60-00-*	CA7-60D-00-*	"	5	10	15	20	40	50	60	0	0
CA7-72-00-*	CA7-72D-00-*	"	5	15	20	25	50	60	72	0	0
CA7-85-00-*	CA7-85D-00-*	SIZE 3	7.5	15	25	30	60	60	85	0	0
CA7-97-00-*	CA7-97-00-*	"	7.5	15	30	30	75	75	95	1	1
CA6-115-EI-11-*	CA6-115-EI-11-*	"	10	25	40	40	75	100	110	1	1
CA6-140-EI-11-*	CA6-140-EI-11-*	SIZE 4	15	30	40	50	100	125	140	1	1
CA6-180-EI-11-*	CA6-180-EI-11-*	"		40	50	60	150	150	180	1	1
CA6-210-EI-11-*	CA6-210-EI-11-*	"		50	60	75	150	200	210	1	1
CA6-250-EI-11-*	CA6-250-EI-11-*	SIZE 5			75	100	200	250	250	1	1
CA6-300-EI-11-*	CA6-300-EI-11-*	"			100	125	250	300	300	1	1
CA6-420-EI-11-*	CA6-420-EI-11-*	"			150	175	350	400	420	1	1
CA6-630-EI-11-*	CA6-630-EI-11-*	SIZE 6			200	250	500	600	630	1	1
CA6-860-EI-11-*	CA6-860-EI-11-*	SIZE 7			250	300	600	700	860	1	1

*Please add coil voltage when ordering.

** For additional accessory info call and speak with a salesperson.



CA7-9-120
CONTACTOR



CA7-85-00-120
CONTACTOR

CA7 Aux Blocks

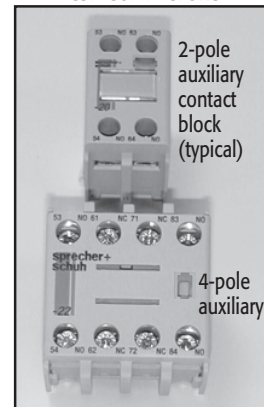
Part Number	N.O.	N.C.	Mount
CS7-PV-10	1	0	Front
CS7-PV-01	0	1	Front
CS7-PV-11	1	1	Front
CS7-PV-20	2	0	Front
CS7-PV-02	0	2	Front
CS7-PV-22	2	2	Front
CS7-PV-13	1	3	Front
CS7-PV-31	3	1	Front
CS7-PV-40	4	0	Front
CS7-PV-04	0	4	Front
CA7-PA-10	1	0	Side
CA7-PA-01	0	1	Side
CA7-PA-20	2	0	Side
CA7-PA-02	0	2	Side
CA7-PA-11	1	1	Side
CA7-PA-L11	1EM	1LB	Side

*Additional types available.

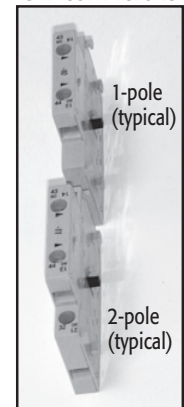
CA6 Aux Blocks

Part Number	N.O.	N.C.	Mount
CA6-S1-11	1	1	Inside left or right
CA6-S2-11	1	1	Outside left or right
CA6-S1-L11	1	1LB	Inside left or right
CA6-S1-20	2	0	Inside left or right
CA6-S2-20	2	0	Outside left or right

CS7 CONTACTORS



CA7 CONTACTORS



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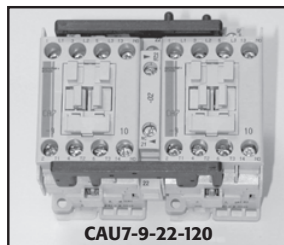
Sprecher & Schuh Mechanically Interlocked Contactors

CA7 Mechanically & Electrically Interlocked Contactors

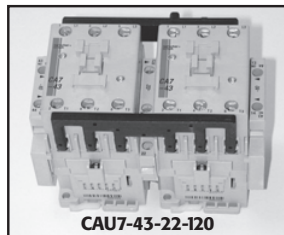
Part Number*	Maximum Inductive Current	Nema Amps	3-Phase 50/60 Hz												
			Line Connected - 3 Wire					Delta Connected - 6 Wire							
			Supplied as a 3 wire reversing contactor					Remove the load side poer buss for wye-delta use					Aux		
AC Operated	DC Operated	Equivalents (3 Wire)	115/120V	230/240V	200/208V	220/240V	460/480V	575/600V	200/208V	220/240V	460/480V	575/600V	N/O	N/C	
CAU7-9-22-*	CAU7-9E-22-*	Size 00	9	0.5	1.5	2	2	5	7.5	5	5	10	10	2	2
CAU7-12-22-*	CAU7-12E-22-*	"	12	0.5	2	3	3	7.5	10	5	7.5	15	15	2	2
CAU7-16-22-*	CAU7-16E-22-*	SIZE 0	16	1	3	5	5	10	15	7.5	10	20	20	2	2
CAU7-23-22-*	CAU7-23E-22-*	SIZE 1	23	2	3	5	7.5	15	15	7.5	10	25	25	2	2
CAU7-30-22-*	CAU7-30E-22-*	"	30	2	5	7.5	10	20	25	10	15	30	30	2	2
CAU7-37-22-*	CAU7-37E-22-*	"	37	3	5	10	10	25	30	15	20	40	40	2	2
CAU7-43-22-*	CAU7-43E-22-*	SIZE 2	43	3	7.5	10	15	30	30	20	25	50	50	2	2
CAU7-60-22-*	CAU7-60D-22-*	"	60	5	10	15	20	40	50	30	40	75	75	2	2
CAU7-72-22-*	CAU7-72D-22-*	"	72	5	15	20	25	50	60	40	50	100	100	2	2
CAU7-85-22-*	CAU7-85D-22-*	SIZE 3	85	7.5	15	25	30	60	60	50	60	125	125	2	2
CAU7-97-22-*	CAU7-97-22-*	"	97	7.5	15	30	30	75	75	50	60	125	125	2	2
CAU6-115-EI-22-*	CAU6-115-EI-22-*	"	110	10	25	40	40	75	100					2	2
CAU6-140-EI-22-*	CAU6-140-EI-22-*	SIZE 4	140	15	30	40	50	100	125					2	2
CAU6-180-EI-22-*	CAU6-180-EI-22-*	"	180		40	50	60	150	150					2	2
CAU6-210-EI-22-*	CAU6-210-EI-22-*	"	210		50	60	75	150	200					2	2
CAU6-250-EI-22-*	CAU6-250-EI-22-*	SIZE 5	250			75	100	200	250					2	2
CAU6-300-EI-22-*	CAU6-300-EI-22-*	"	300			100	125	250	300					2	2
CAU6-420-EI-22-*	CAU6-420-EI-22-*	"	420			150	175	350	400					2	2
CAU6-630-EI-22-*	CAU6-630-EI-22-*	SIZE 6	630			200	250	500	600					2	2
CAU6-860-EI-22-*	CAU6-860-EI-22-*	SIZE 7	860			250	300	600	700					2	2

SEE PCEC SOFT STARTER SECTION

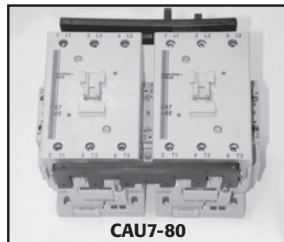
REVERSING CONTACTORS



CAU7-9-22-120



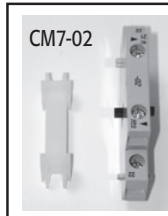
CAU7-43-22-120



CAU7-80



Surge Suppressors
Limits coil switching transients.
• Plug-in, coil mounted
• Suitable for all CS7 contactors



Mechanical/Electrical Interlocks

- Common to all CA7 contactors; interlocks different contactor sizes
- Mechanical and electrical interlocking possible in one module by means of integrated auxiliary contacts
- Dovetail (CA7-S9) connector included (9mm)

*Please add coil voltage when ordering.

** For additional accessory info call and speak with a salesperson.

CA7 Surge Suppressors

Part Number	Type	Voltage Range
CRC7-48	RC Module	24-48vac
CRC7-280	RC Module	110-280vac
CRC7-480	RC Module	380-480vac
CRD7-250	Diode Module	12-240vdc
CRV7-55	Varistor Module	12-55vac
		12-77vdc
CRV7-136	Varistor Module	56-136vac
		78-180vdc
CRV7-277	Varistor Module	137-277vac
		181-350vdc
CRV7-575	Varistor Module	278-575vac

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Sprecher & Schuh 4-Pole Contactors



CA7 Non-Reversing Four Pole Contactors

Part Number*		Maximum Horsepower Ratings						Maximum	Contact Configuration	
AC	DC	1-phase 50/60 Hz		3-PHASE 50/60 Hz				Inductive Current (Amps)	Main Pole	
Operated	Operated	115/120V	230/240V	200/208V	220/240V	460/480V	575/600V		N/O	N/C
CA7-9-M40-*	CA7-9E-M40-*	0.5	1.5	2	2	5	7.5	9	4	0
CA7-9-M31-*	CA7-9E-M31-*	0.5	1.5	2	2	5	7.5	9	3	1
CA7-9-M22-*	CA7-9E-M22-*	0.5	1.5	2	2	5	7.5	9	2	2
CA7-12-M40-*	CA7-12E-M40-*	0.5	2	3	3	7.5	10	12	4	0
CA7-12-M31-*	CA7-12E-M31-*	0.5	2	3	3	7.5	10	12	3	1
CA7-12-M22-*	CA7-12E-M22-*	0.5	2	3	3	7.5	10	12	2	2
CA7-16-M40-*	CA7-16E-M40-*	1	3	5	5	10	15	16	4	0
CA7-16-M31-*	CA7-16E-M31-*	1	3	5	5	10	15	16	3	1
CA7-16-M22-*	CA7-16E-M22-*	1	3	5	5	10	15	16	2	2
CA7-23-M40*	CA7-23E-M40*	2	3	5	7.5	15	15	23	4	0
CA7-23-M31*	CA7-23E-M31*	2	3	5	7.5	15	15	23	3	1
CA7-23-M22*	CA7-23E-M22*	2	3	5	7.5	15	15	23	2	2
CA7-40-M40-*	CA7-40E-M40-*	3	5	10	10	25	30	37	4	0
CA7-40-M22-*	CA7-40E-M22-*	3	5	10	10	25	15	37	2	2
CA7-90-M40-*		7.5	15	25	30	60	50	85	4	0
CA7-90-M22-*		7.5	15	25	30	50	20	95	2	2

*Please add coil voltage when ordering.

Questions? Answers at...

Sprecher & Schuh Overload Relays

Electronic Overload Relays

Adjustable trip class 10, 15, 20 & 30

Part Number	Adjustable Trip Range (Amps)	For Use with Contactors
CEP7-EECB	1 to 5	CA7-9 to CA7-23
CEP7-EEDB	3.2 to 16	CA7-9 to CA7-23
CEP7-EEEB	5.4 to 27	CA7-9 to CA7-23
CEP7-EEED	5.4 to 27	CA7-30 to CA7-43
CEP7-EEFD	9 to 45	CA7-30 to CA7-43
CEP7-EEFE	9 to 45	CA7-60 to CA7-85
CEP7-EEGE	18 to 90	CA7-60 to CA7-85
CEP7-EEJF	40 to 200	CA6-95 to CA6-180

*Additional sizes available

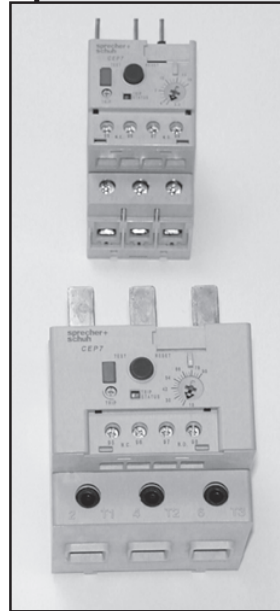
Panel Mount Adapters

Part Number	Fits Overload Type
CEP7-EPB	CEP7-EE...B
CEP7-EPD	CEP7-EE...D
CEP7-EPE	CEP7-EE...E
CT7N-37-P-A	CT7N-23...37

Thermal Overload Relays

Adjustable trip class 10

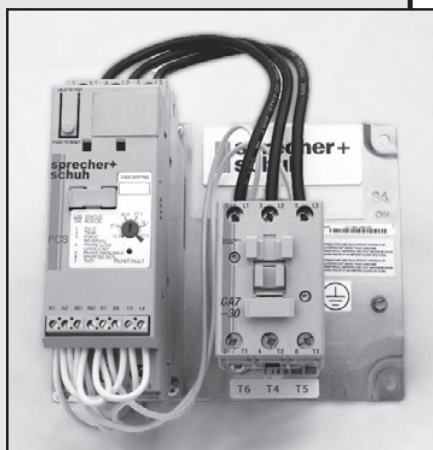
Part Number	Adjustable Trip Range (Amps)	For Use with Contactors
CT7N-23-B75	5.5 to 7.5	CA7-9 to CA7-23
CT7N-23-C10	7.2 to 10	CA7-9 to CA7-23
CT7N-23-C12	9 to 12.5	CA7-12 to CA7-23
CT7N-23-C16	11.3 to 16	CA7-16 to CA7-23
CT7N-23-C20	15 to 20	CA7-16 to CA7-23
CT7N-23-C25	21 to 25	CA7-16 to CA7-23
CT7N-37-C25	21 to 25	CA7-30 to CA7-37
CT7N-37-C30	24.5 to 30	CA7-30 to CA7-37
CT7N-37-C36	29 to 36	CA7-30 to CA7-37
CT7N-37-C38	33 to 38	CA7-37
CT7N-85-C47P	35 to 47	Separately mounted
CT7N-43-C25	17 to 25	CA7-43
CT7N-43-C36	24.5 to 36	CA7-43
CT7N-43-C47	35 to 47	CA7-43
CT7N-85-C47	35 to 47	CA7-60 to CA7-85
CT7N-85-C60	45 to 60	CA7-60 to CA7-85
CT7N-85-C60P	45 to 60	Separately mounted
CT7N-85-C75	58 to 75	CA7-85
CT7N-85-C75P	58 to 75	Separately mounted
CT7N-85-C90	72 to 90	CA7-85
CT7N-85-C90P	72 to 90	Separately mounted



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Sprecher & Schuh PCEC Hydraulic Elevator Softstarters



Elevator Softstarter

Thinking of replacing that old mechanical contactor with a softstarter but are concerned about it fitting... The PCEC is much smaller than other commonly used softstarters. It's the ideal wye-delta contactor replacement because it typically fits within the existing contactor footprint. The PCEC is supplied mounted to a back panel but the components will also snap on a DIN rail.

Diagnostics:

- Overload
- Over temp protection
- Phase reversal
- Phase loss/open Load
- Phase imbalance
- Shorted SCR
- Test overload

Features:

- Selectable overload class, 10, 15, 20, off
- Phase imbalance selectivity
- LED diagnostic & run display
- ½-sec "hold-in" display
- "Up-to-speed" contact

Part Number	DELTA Connected (6 Wire) H.P. Ratings				Overload Range (Amps)	LINE Connected (3 Wire) H.P. Ratings				Overload Range (Amps)
	3-PHASE 50/60 Hz					3-PHASE 50/60 Hz				
120VAC Control Voltage	208V	240V	480V	575V		208V	240V	480V	575V	
PCEC-032-600V-120V	10	10	15	30	10.9...32.9	5	5	10	15	6.3...19
PCEC-051-600V-120V	15	15	30	40	17.3...51.9	7.5	10	20	25	10...30
PCEC-064-600V-120V	20	20	40	60	21...64	10	10	25	30	12.3...37
PCEC-074-600V-120V	20	25	50	60	25...74	10	15	30	40	14.3...43
PCEC-104-600V-120V	30	40	75	100	84.6...104	15	20	40	50	20...60
PCEC-147-600V-120V	40	50	100	150	50...147	25	30	60	75	28.3...85
PCEC-234-600V-120V	60	75	150	150	59...234	40	50	100	100	34...135

Replacement Parts

PCEC Assembly	PCE Controller Only	PCE Fans	Fault Contactor	Fault Contactor Coils*	
				120vac	208 - 240vac
PCEC-032-600V-120V	PCEC-032-600V		CA7-37-00-120		
PCEC-051-600V-120V	PCEC-051-600V		CA7-37-00-120	TC473	TC296
PCEC-064-600V-120V	PCEC-064-600V	PCV-064 (optional)	CA7-37-00-120		
PCEC-074-600V-120V	PCEC-074-600V		CA7-43-00-120	TD473	TD296
PCEC-104-600V-120V	PCEC-104-600V	PCV-147	CA7-60-00-120	TE473	TE296
PCEC-147-600V-120V	PCEC-147-600V		CA7-85-00-120	TE473	TE296
PCEC-234-600V-120V	PCEC-234-600V	PCV-234	CA6-180-EI-11-120	CA6-TGE865	CA6-TGE866

PCEC Aux Blocks

Part Number	N.O.	N.C.
PCS-PA-10	1	0
PCS-PA-01	0	1
PCS-PA-11	1	1

* The PCE controller's control voltage operating range is 100-240vac. The coil voltage of the fault contactor determines the control voltage of the PCEC assembly.

Dimensions

Controller Sizes	Units	Width	Height	Depth	Approx. Weight
32 / 51 / 64	mm	178	144	115.7	4 lbs
	inch	7.01	5.67	4.56	
74 / 104 / 147	mm	240	225	147.9	14 lbs
	inch	9.45	8.86	5.82	
234	mm	362	515	216.4	51 lbs
	inch	14.25	20.28	8.52	

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Sprecher & Schuh CS7 Control Relays

CS7 Control Relays

10 amp a/c, 5 amp d/c continuous

Part Number*		Contacts	
AC Operated	DC Operated	N/O	N/C
CS7-22E*	CS7E-22E*	2	2
CS7-31E*	CS7E-31E*	3	1
CS7-40E*	CS7E-40E*	4	0
CS7-04E*	CS7E-04E*	0	4*

Please add coil voltage when ordering.

CS7 Master Control Relays

20 amp a/c, 5 amp d/c continuous

Part Number*		Contacts	
AC Operated	DC Operated	N/O	N/C
CS7-M22E*	CS7E-M22E*	2	2
CS7-M31E*	CS7E-M31E*	3	1
CS7-M40E*	CS7E-M40E*	4	0
CS7-M04E*	CS7E-M04E*	0	4

*Please add coil voltage when ordering.

Aux Blocks

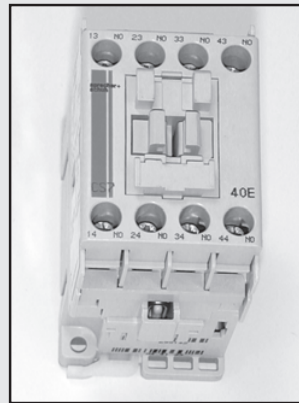
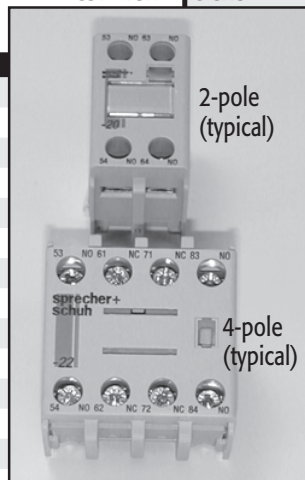
Part Number	N.O.	N.C.	Mount
CS7-PV-10	1	0	Front
CS7-PV-01	0	1	Front
CS7-PV-11	1	1	Front
CS7-PV-20	2	0	Front
CS7-PV-02	0	2	Front
CS7-PV-22	2	2	Front
CS7-PV-13	1	3	Front
CS7-PV-31	3	1	Front
CS7-PV-40	4	0	Front
CS7-PV-04	0	4	Front
CA7-PA-10	1	0	Side
CA7-PA-01	0	1	Side
CA7-PA-20	2	0	Side
CA7-PA-02	0	2	Side
CA7-PA-11	1	1	Side
CA7-PA-L11	1EM	1LB	Side

*Additional types available.

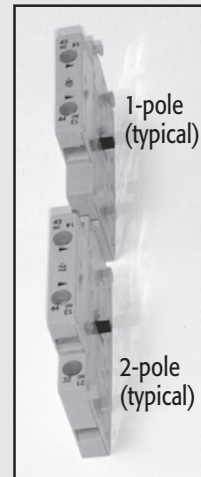
CA7 Surge Suppressors

Part Number	Type	Voltage Range
CRC7-48	RC Module	24-48vac
CRC7-280	RC Module	110-280vac
CRC7-480	RC Module	380-480vac
CRD7-250	Diode Module	12-240vdc
CRV7-55	Varistor Module	12-55vac 12-77vdc
CRV7-136	Varistor Module	56-136vac 78-180vdc
CRV7-277	Varistor Module	137-277vac 181-350vdc
CRV7-575	Varistor Module	278-575vac

CS7 AUX BLOCKS

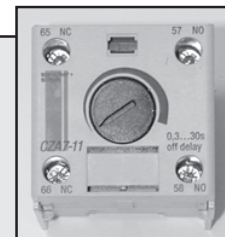


CA7 AUX BLOCKS



Pneumatic Timing Modules

Part Number	Type	Time Range
CZE7-30	On-Delay	0.1 to 3 s
CZE7-180	On-Delay	1.8 to 180 s
CZA7-30	Off-Delay	0.1 to 3 s
CZA7-180	Off-Delay	1.8 to 180 s



Questions? Answers at...

Western US: 866 CED-ELEV Eastern US: 866-253-2915
or 866-233-3538 • Fax 562-427-8429 or 860-256-2211 • Fax 860-290-8970

Sprecher & Schuh

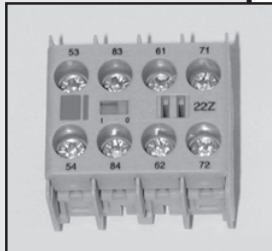
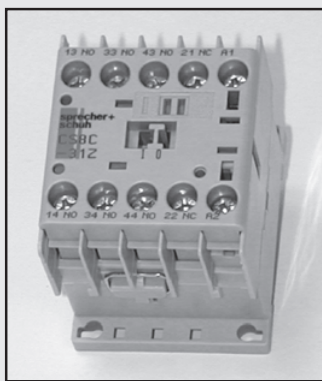
CA8 & CS8

Contactors & Relays

CA8 Contactors

Part Number*	DC Operated	Maximum Horsepower Ratings						Maximum Inductive		
		1-phase 50/60 Hz		3-PHASE 50/60 Hz				Current (Amps)	Aux	
		115/120V	230/240V	200/208V	220/240V	460/480V	575/600V		N/O	N/C
CA8-9-10-*	CA8-9C-10-*	0.5	1.5	2	2	5	5	9	1	0
CA8-9-01-*	CA8-9C-01-*	0.5	1.5	2	2	5	5	9	0	1
CA8-12-10-*	CA8-12C-10-*	0.75	2	3	3	7.5	7.5	12	1	0
CA8-12-01-*	CA8-12C-01-*	0.75	2	3	3	7.5	7.5	12	0	1

*Please add coil voltage when ordering.



CS8 Control Relays

Part Number*	DC Operated	Contacts	
		N/O	N/C
CS8-40E-*	CS8C-40E-*	4	0
CS8-31Z-*	CS8C-31Z-*	3	1
CS8-22Z-*	CS8C-22Z-*	2	2

*Please add coil voltage when ordering.

Aux Blocks

Part Number	N.O.	N.C.
CS8-P02	0	2
CS8-P20	2	0
CS8-P11	1	1
CS8-P04	0	4
CS8-P22	2	2
CS8-P40	4	0

*Additional types available.

CS8 Surge Suppressor modules

Part Number	Link Type	Voltage
CRC8-50	RC	24 - 48VAC
CRC8-240	RC	110 - 280VAC
CRC8-480	RC	380 - 480VAC
CRD8-250	Diode	12 - 250VDC
CRV8-55	Varistor	12-55VAC/12-77VDC
CRV8-136	Varistor	56-136VAC/78-180VDC
CRV8-277	Varistor	137-277VAC/181-250VDC

Questions? Answers at...

4.8

Western US: 866 CED-ELEV Eastern US: 866-253-2915
 or 866-233-3538 • Fax 562-427-8429 or 860-256-2211 • Fax 860-290-8970

Telemacanique 3-Pole AC Contactors

Part Number*	Nema Equivalents	Max Inductive Current (Amps)	Maximum Horsepower Ratings							
			1-phase 50/60 Hz				3-phase 50/60 Hz			
			115/120V	230/240V	200/208V	220/240V	460/480V	575/600V	Aux N/O	N/C
LC1D09*	Size 00	9	0.5	1	2	2	5	7.5	1	1
LC1D12*	"	12	1	2	3	3	7.5	10	1	1
LC1D18*	Size 0	18	1	3	5	5	10	15	1	1
LC1D25*	Size 1	25	2	3	7.5	7.5	15	20	1	1
LC1D32*	"	32	2	5	10	10	20	30	1	1
LC1D40*	"	40	3	5	10	10	30	30	1	1
LC1D50*	Size 2	50	3	7.5	15	15	40	40	1	1
LC1D65*	"	65	5	10	20	20	50	50	1	1
LC1D80*	"	80	7.5	15	25	30	60	60	1	1
LC1D115*	Size 3	115	-	-	30	40	75	100	0	0
LC1D150*	Size 4	150	-	-	40	50	100	125	0	0

*Please add coil voltage code when ordering.

Coil Voltage Codes

AC Volts (50/60 Hz)																			
Part Numbers	24	42	48	110	115	120	127	208	220	230	240	277	380	400	415	440	480	575	600
LC1D09 to D32	B7	D7	E7	F7	FE7	G7	FC7	LE7	M7	P7	U7	W7	Q7	V7	N7	R7	T7	SC7	X7
LC1D40 to D150*	B7	D7	E7	F7	FE7	G7		L6	M7	P7	U7	W6	Q7	V7	N7	R7	T6	S6	X6

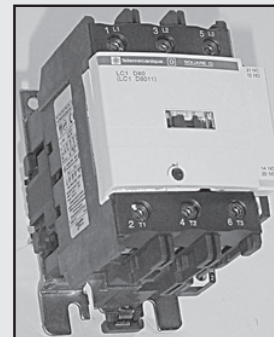
*with built-in surge suppression

DC Volts														
Part Numbers	5	12	20	24	36	48	60	72	96	110	125	220	250	440
LP1D09 to D80		JD	BD	CD	ED	ND	SD	FD	GD	MD	UD	RD		
LP1D115 to D150*				BD	ED	ND	SD	FD	GD	MD	UD	RD		

*with built-in surge suppression

Auxiliary Contacts

Part Number	N.O.	N.C.	Mount
LADN10	1	0	Front
LADN01	0	1	Front
LADN11	1	1	Front
LADN20	2	0	Front
LADN02	0	2	Front
LADN22	2	2	Front
LADN13	1	3	Front
LADN31	3	1	Front
LADN40	4	0	Front
LADN04	0	4	Front
LAD8N11	1	1	Side
LAD8N20	2	0	Side
LAD8N02	0	2	Side



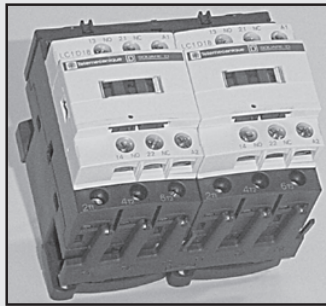
Questions? Answers at...

Western US: 866 CED-ELEV Eastern US: 866-253-2915
or 866-233-3538 • Fax 562-427-8429 or 860-256-2211 • Fax 860-290-8970

Telemecanique 3-Pole AC Reversing Contactors & Interlock Kits

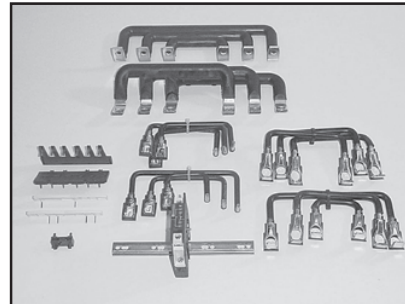
Part Number*	Nema Equivalents	Max Inductive Current (Amps)	Maximum Horsepower Ratings							
			1-phase 50/60 Hz		3-phase 50/60 Hz				Aux	
			115/120V	230/240V	200/208V	220/240V	460/480V	575/600V	N/O	N/C
LC2D09*	Size 00	9	0.5	1	2	2	5	7.5	2	4
LC2D12*	"	12	1	2	3	3	7.5	10	2	4
LC2D18*	Size 0	18	1	3	5	5	10	15	2	4
LC2D25*	Size 1	25	2	3	7.5	7.5	15	20	2	4
LC2D32*	"	32	2	5	10	10	20	30	2	4
LC2D40*	"	40	3	5	10	10	30	30	2	4
LC2D50*	Size 2	50	3	7.5	15	15	40	40	2	4
LC2D65*	"	65	5	10	20	20	50	50	2	4
LC2D80*	"	80	7.5	15	25	30	60	60	2	4
LC2D115*	Size 3	115	-	-	30	40	75	100	0	0
LC2D150*	Size 4	150	-	-	40	50	100	125	0	0

*Please add coil voltage code when ordering.
See page 4.2 for selection table.

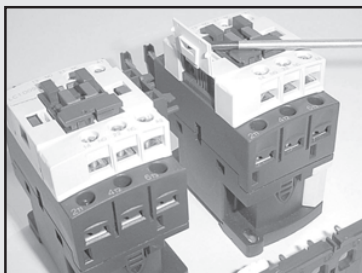


Interlock Kits for Field Assembly

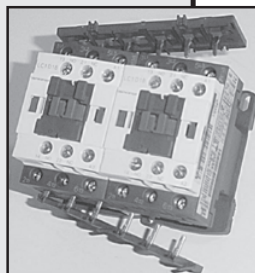
Mechanical Interlock	Power Bus	Used on Contactors
LAD9R1V	Included	LC1D09 to D38
LA9DR4002	LA9D6569	LC1D40 to D65
LA9DR4002	LA9D8069	LC1D80
LA9D11502	LA9D11569	LC1D115 to D150



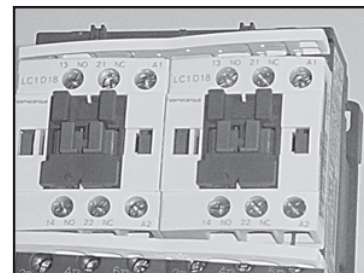
Interlock and Bus Kits make field assembly quick and easy. (LC1D09-D32 shown)



REMOVE SIDE COVER
AND ATTACH INTERLOCK



ATTACH POWER BUS



ATTACH CONTROL CIRCUIT BUS

Questions? Answers at...

4.10

Western US: 866 CED-ELEV Eastern US: 866-253-2915
or 866-233-3538 • Fax 562-427-8429 or 860-256-2211 • Fax 860-290-8970

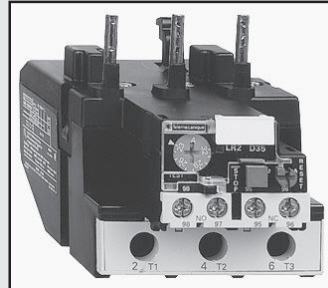
Telemecanique Overload Relays

Class 10 Bi-Metallic Overloads (2-10 sec. Trip)

Part Number*	Adjustable Trip Range (Amps)	For Use with Contactors
LRD01	0.10 to 0.16	D09 to D32
LRD02	0.16 to 0.25	D09 to D32
LRD03	0.25 to 0.40	D09 to D32
LRD04	0.40 to 0.63	D09 to D32
LRD05	0.63 to 1	D09 to D32
LRD06	1 to 1.7	D09 to D32
LRD07	1.6 to 2.5	D09 to D32
LRD08	2.5 to 4	D09 to D32
LRD10	4 to 6	D09 to D32
LRD12	5.5 to 8	D09 to D32
LRD14	7 to 10	D09 to D32
LRD16	9 to 13	D12 to D32
LRD21	12 to 18	D18 to D32
LRD22	16 to 24	D25 to D32
LRD32	23 to 32	D25 to D32
LRD3322	17 to 25	D40 to D80
LRD3353	23 to 32	D40 to D80
LRD3355	30 to 40	D40 to D80
LRD3357	37 to 50	D40 to D80
LRD3359	48 to 65	D50 to D80
LRD3361	55 to 70	D50 to D80
LRD3363	55 to 70	D65 to D80
LRD4365	63 to 80	D115 to D150
LRD4367	95 to 120	D115 to D150
LRD4369	110 to 140	D150

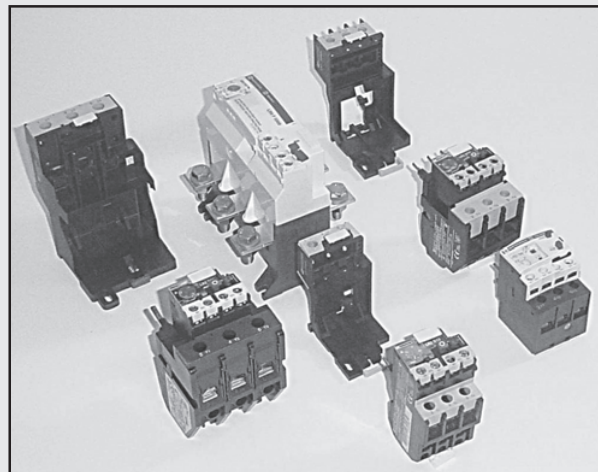
Class 20 Bi-Metallic Overloads (6-20 sec. Trip)

Part Number*	Adjustable Trip Range (Amps)	For Use with Contactors
LRD1508	2.5 to 4	D09 to D32
LRD1510	4 to 6	D09 to D32
LRD1512	5.5 to 8	D09 to D32
LRD1514	7 to 10	D09 to D32
LRD1516	9 to 13	D12 to D32
LRD1521	12 to 18	D18 to D32
LRD1522	17 to 25	D25 to D32
LR2D2553	23 to 32	D25 to D32
LR2D3522	17 to 25	D40 to D80
LR2D3553	23 to 32	D40 to D80
LR2D3555	30 to 40	D40 to D80
LR2D3557	37 to 50	D50 to D80
LR2D3559	48 to 65	D50 to D80
LR2D3561	55 to 70	D50 to D80
LR2D3563	63 to 80	D80
LR9D5567	60 to 100	D115 to D150
LR9D5569	90 to 150	D115 to D150



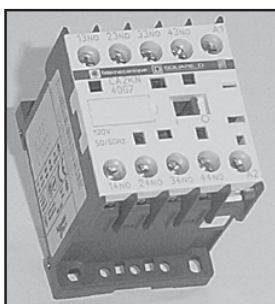
Panel Mount Adaptors

Part Number*	Fits Overload Type
LAD7B10	LRD01 to D32
LAD7B105	LRD15
LA7D1064	LR2D1
LA7D2064	LR2D2
LA7D3064	LR2D3



Questions? Answers at...

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or 866-233-3538 • Fax 562-427-8429 or 860-256-2211 • Fax 860-290-8970



H-Line Relays

Part Number*	N.O.	N.C.	Coil Type
CA2KN40*	4	0	AC
CA2KN31*	3	1	AC
CA2KN22*	2	2	AC
CA3KN40*	4	0	DC
CA3KN31*	3	1	DC
CA3KN22*	2	2	DC

*Please add coil voltage code when ordering.

Auxiliary Contacts

Part Number*	N.O.	N.C.
LA1KN11	1	1
LA1KN20	2	0
LA1KN02	0	2
LA1KN22	2	2
LA1KN13	1	3
LA1KN31	3	1
LA1KN40	4	0
LA1KN04	0	4



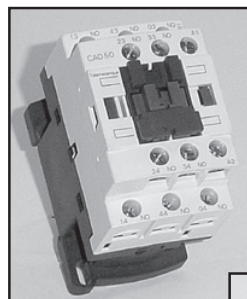
Electronic Timing Modules

Part Number	Voltage	Contacts
LA2KT2E	24 to 48 V AC/DC	1 x SPST
LA2KT2U	110 to 240 V AC	1 x SPST

Coil Voltage Codes

AC 50/60 Hz	12	24	48	120	208	240	277	480	600		
Code	J7	B7	E7	G7	LE7	U7	W7	T7	X7		
DC	12	24	36	48	60	72	110	125	220	250	440
Code	JD	BD	CD	ED	ND	SD	FD	GD	MD	UD	RD

Telemecanique D-Line & K-Line Control Relays



D-Line Relays

Part Number*	N.O.	N.C.
CAD50*	5	0
CAD32*	3	2

*Please add coil voltage code when ordering.



Auxiliary Contacts

Part Number	N.O.	N.C.	Mount
LADN10	1	0	Front
LADN01	0	1	Front
LADN11	1	1	Front
LADN20	2	0	Front
LADN02	0	2	Front
LADN22	2	2	Front
LADN13	1	3	Front
LADN31	3	1	Front
LADN40	4	0	Front
LADN04	0	4	Front
LAD8N11	1	1	Side
LAD8N20	2	0	Side
LAD8N02	0	2	Side

Pneumatic Timer Attachments

Part Number	Type	Time Range
LADT0	On-Delay	0.1 to 3 s
LADT2	On-Delay	0.1 to 30 s
LADT4	On-Delay	10 to 180 s
LADR0	Off-Delay	0.1 to 3 s
LADR2	Off-Delay	0.1 to 30 s
LADR4	Off-Delay	10 to 180 s

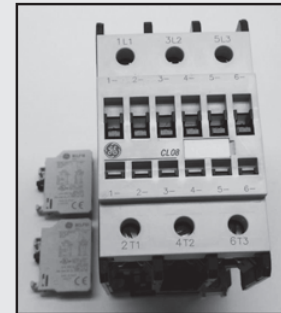
Questions? Answers at...

General Electric 3-Pole AC Contractors

Series C-2000 Non-Reversing Three Pole Contactors

Part Number*	Maximum Horsepower Ratings				Maximum		
	Nema AC Operated	Equivalents	3-phase 50/60 Hz		Inductive (Amps)	Aux	
		200/230V	380/400V	415/440V	500V	N/O	N/C
CL00A310T*	Size 00	3	5.5	5.5	7.5	9	1 0
CL00A301T*	"	3	5.5	5.5	7.5	9	0 1
CL01A310T*	"	4	7.5	7.5	10	12	1 0
CL01A301T*	"	4	7.5	7.5	10	12	0 1
CL02A310T*	SIZE 0	5.5	10	10	13.5	18	1 0
CL02A301T*	"	5.5	10	10	13.5	18	0 1
CL03A310M*	SIZE 1	10	16	16	20	25	1 0
CL03A301M*	"	10	16	16	20	25	0 1
CL04A310M*	"	12	22	22	25	32	1 0
CL04A301M*	"	12	22	22	25	32	0 1
CL45A310M*	SIZE 2	15	25	30	34	40	1 0
CL06A311M*	"	20	30	34	40	50	1 1
CL07A311M*	"	25	40	50	55	65	1 1
CL08A311M*	"	30	50	60	60	80	1 1
CL09A311M*	SIZE 3	34	60	68	75	95	1 1
CL10A311M*	"	40	75	75	88	110	1 1
CK75CA311*	SIZE 4	60	100	108	135	150	1 1
CK08CA311*	"	75	125	135	150	185	1 1
CK85BA311*	"	88	150	170	180	205	1 1

*Please add coil voltage code when ordering.

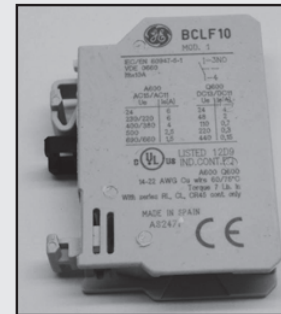


Series C-2000 Aux Blocks

Part Number	N.O.	N.C.	Mount
BCLF10	1	0	Front
BCLF01	0	1	Front
BCLL11	1	1	Side
BCLL20	2	0	Side
BRLL20	2	0	Side, CK contactors
BRLL11	1	1	Side, CK contactors
BRLL02	0	2	Side, CK contactors

Coil Suffix

Voltage	Suffix
110 - 127	J
220 - 250	N
380 - 415	U
440 - 500	Y



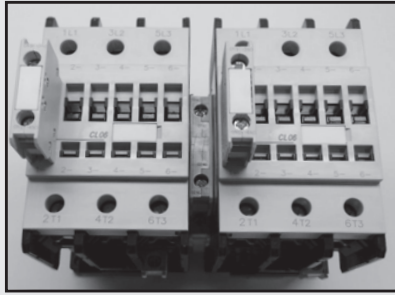
Series 2000 Accessories

Part Number	Type
BELA02	Mechanical / Electrical interlock, sizes CL00 - CL10
BTLF30C	Pneumatic timer attachment, on-delay 0.1 - 30 sec.
BTLF30D	Pneumatic timer attachment, off-delay 0.1 - 30 sec.
BSLV3G	Varistor surge suppressor module, 24 - 48V AC/DC
BSLV3K	Varistor surge suppressor module, 50 - 127V AC/DC
BSLV3R	Varistor surge suppressor module, 130 - 250V AC/DC

* Additional types available

Questions? Answers at...

Western US: 866 CED-ELEV Eastern US: 866-253-2915
or 866-233-3538 • Fax 562-427-8429 or 860-256-2211 • Fax 860-290-8970



General Electric Reversing Contactors & Overload Relays

Series C-2000 Reversing Contactors

Part Number* AC Operated	Nema Equivalents	Maximum Horsepower Ratings				Maximum Inductive (Amps)	Aux	
		220V	3-phase 50/60 Hz		N/O		N/C	
			230V	460V	575V			
LDR00A*	Size 00	3	3	5	7.5	10	2	2
LDR01A*	"	3	3	7.5	10	13.8	2	2
LDR02A*	SIZE 0	5	5	10	15	17.5	2	2
LDR25A*	SIZE 1	5	7.5	15	15	22	2	2
LDR04A*	"	10	10	20	25	32	2	2
LDR45A*	"	10	10	25	25	34	2	2
LER06A*	SIZE 2	15	15	30	40	48	2	2
LER07A*	"	20	20	40	50	62	2	2
LER08A*	"	20	25	50	60	68	2	2
LER09A*	"	25	30	60	75	80	2	2
LER10A*	SIZE 3	30	40	75	75	96	2	2
KAR75C*	SIZE 4	40	50	100	100	140	2	2

*Please add coil voltage code when ordering.

Thermal Overload Relays - Class 10, Auto/Manual Reset

Part Number	Adjustable Trip Range		For Use with Contactors
	Type		
RT1N	8 to 12		CL00, CL01, CL02, CL25, CL04, CL45
RT1P	10 to 16		CL00, CL01, CL02, CL25, CL04, CL45
RT2B	14.5 to 19		CL06, CL07, CL08, CL09, CL10
RT2D	24 to 32		CL06, CL07, CL08, CL09, CL10
RT2E	30 to 43		CL06, CL07, CL08, CL09, CL10
RT2G	42 to 55		CL06, CL07, CL08, CL09, CL10
RT2H	54 to 65		CL07, CL08, CL09, CL10
RT2J	64 to 82		CL08, CL09, CL10
RT2L	78 to 97		CL10
RT2M	90 to 110		CL10

*Additional sizes available

Coil Suffix

Voltage	Suffix
110 - 127	J
220 - 250	N
380 - 415	U
440 - 500	Y

Panel Mount Adapters

Part Number	Fits Overload Type
RTXP	RT1
RT2XP	RT2

Questions? Answers at...

4.14

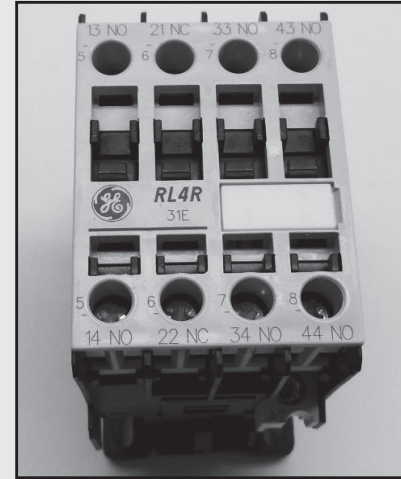
Western US: 866 CED-ELEV Eastern US: 866-253-2915
 or 866-233-3538 • Fax 562-427-8429 or 860-256-2211 • Fax 860-290-8970

General Electric Control Relays

Series C-2000 Control Relays - 10 amp a/c, 5 amp d/c continuous

Part Number			
AC Operated	DC Operated	N/O	N/C
RL4RA022T*	RL4RD022T*	2	2
RL4RA031T*	RL4RD031T*	3	1
RL4RA040T*	RL4RD040T*	4	0
RL4RA004T*	RL4RD004T*	0	4

*Please add coil voltage suffix when ordering.



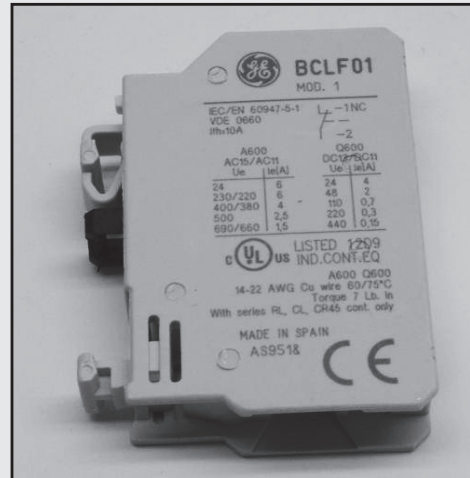
Coil Suffix

Part Number	AC	DC
24	1	
48	F	
120	J	
208	L	
240	S	
480	U	
12		B
24		D
48		G
125		K
250		T

Series C-2000 Aux Blocks

Part Number	N/O	N/C	Mount
BCLF10	1	0	Front
BCLF01	0	1	Front
BCLL11	1	1	Side
BCLL20	2	0	Side
BRLL20	2	0	Side, CK contactors
BRLL11	1	1	Side, CK contactors
BRLL02	0	2	Side, CK contactors

*Please add coil voltage suffix when ordering.

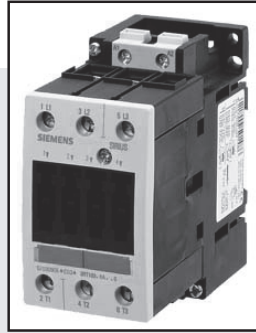


Series C-2000 Accessories

Part Number	Type
BELA02	Mechanical / Electrical interlock, sizes CL00 - CL10
BTLF30C	Pneumatic timer attachment, on-delay 0.1 - 30 sec.
BTLF30D	Pneumatic timer attachment, off-delay 0.1 - 30 sec.
BSLV3G	Varistor surge suppressor module, 24 - 48V AC/DC
BSLV3K	Varistor surge suppressor module, 50 - 127V AC/DC
BSLV3R	Varistor surge suppressor module, 130 - 250V AC/DC

Questions? Answers at...

Western US: 866 CED-ELEV Eastern US: 866-253-2915
or 866-233-3538 • Fax 562-427-8429 or 860-256-2211 • Fax 860-290-8970



Siemens 3-Pole AC Contactors

Sirius Non-Reversing Three Pole Contactors

Part Number*	DC Operated	Nema Equivalents	Maximum Horsepower Ratings				Maximum		
			3-phase 50/60 Hz				Inductive	Aux	
AC Operated			200/230V	380/400V	415/440V	500V	(Amps)	N/O	N/C
3RT1023-1A*0		Size 00	2	3	5	7.5	9	0	0
3RT1024-1A*0	3RT1024-1B*0	"	3	3	7.5	10	12	0	0
3RT1025-1A*0	3RT1025-1B*0	Size 0	5	5	10	15	17	0	0
3RT1026-1A*0	3RT1026-1B*0	Size 1	7.5	7.5	15	20	25	0	0
3RT1033-1A*0	3RT1033-1B*0	"	7.5	10	20	25	28	0	0
3RT1034-1A*0	3RT1034-1B*0	"	10	10	25	30	32	0	0
3RT1035-1A*0	3RT1035-1B*0	"	10	15	30	40	40	0	0
3RT1036-1A*0	3RT1036-1B*0	Size 2	15	15	40	50	50	0	0
3RT1044-1A*0	3RT1044-1B*0	"	20	25	50	60	65	0	0
3RT1045-1A*0	3RT1045-1B*0	"	25	30	60	75	80	0	0
3RT1046-1A*0	3RT1046-1B*0	Size 3	30	30	75	100	95	0	0
3RT1054-6A*6	3RT1054-6A*6	"	40	50	100	125	115	2	2
3RT1055-6A*6	3RT1055-6A*6	Size 4	50	60	125	150	150	2	2

*Please add coil voltage code when ordering.

Sirius Accessories

Part Number	Type
3RA1924-2B	Mechanical / Electrical interlock, sizes S0 - S3
3RA1922-2D	Dovetail connector, for joining S0 contactors together
3RA1932-2D	Dovetail connector, for joining S2 & S3 contactors together
3RT1926-1BB00	Varistor surge suppressor module, 24 - 48VAC, 24 - 70VDC
3RT19261BD00	Varistor surge suppressor module, 127 - 240VAC, 150 - 250VDC

*Additional types available.

Coil Suffix 3RT1054 & 56

Voltage	AC/DC Suffix
23 - 26	B3
110 - 127	F3
220 - 240	P3
440 - 480	R3
575 - 600	T3

Coil Suffix 3RT1026 - 46

Voltage	AC	DC
24	C2	A4
110		F4
120	K6	
240	P6	
480	V6	
600	T6	

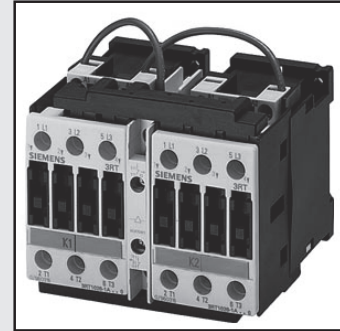
Questions? Answers at...

4.16

Western US: 866 CED-ELEV Eastern US: 866-253-2915
 or 866-233-3538 • Fax 562-427-8429 or 860-256-2211 • Fax 860-290-8970

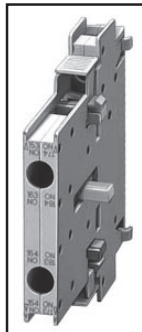
Siemens Reversing Contactors

Sirius Reversing Contactors



Part Number*	Nema Equivalents	Maximum Inductive Current Amps	Maximum Horsepower Ratings				Aux	
			3-phase 50/60 Hz				N/O	N/C
AC Operated			200/208V	220/240V	460/480V	575/600V		
3RA1323-8XB30-1A*	Size 00	9	3	3	5	7.5	2	2
3RA1324-8XB30-1A*	"	12	3	3	7.5	10	2	2
3RA1325-8XB30-1A*	Size 0	17	5	5	10	15	2	2
3RA1326-8XB30-1A*	Size 1	25	5	7.5	15	15	2	2
3RA1334-8XB30-1A*	"	32	10	10	20	25	2	2
3RA1335-8XB30-1A*	"	40	10	10	25	25	2	2
3RA1344-8XB30-1A*	Size 2	65	15	15	30	40	2	2
3RA1345-8XB30-1A*	"	80	20	20	40	50	2	2
3RA1346-8XB30-1A*	Size 3	95	20	25	50	60	2	2

*Please add coil voltage code when ordering.



SIDE MOUNT AUX

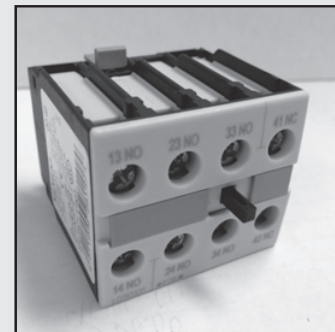
Solid State Overload Relays - Class 10/20, Auto/Manual Reset

Voltage	Adjustable Trip Range (Amps)	Direct mount with Contactors
3RB2026-1SB0	3 to 12	S0
3RB2026-1QB0	6 to 25	S0
3RB2036-1UB0	12.5 to 50	S2
3RB2046-1EB0	25 to 100	S3 with busbar
3RB2133-4UB0	12.5 to 50	Separately Mounted
3RB2143-4EW1	25 to 100	Separately Mounted480

Sirius Contactor Aux Blocks

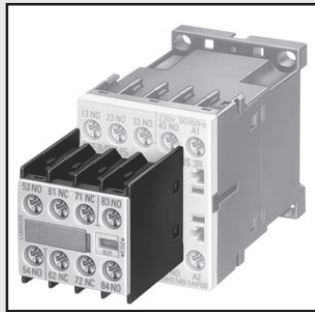
Part Number	N/O	N/C	Mount
3RH1921-1FA22	2	2	Front, sizes S0 - S12
3RH1921-1FA31	3	1	Front, sizes S0 - S12
3RH1921-1FA40	4	0	Front, sizes S0 - S12
3RH1921-1FA40	1	1	Front, sizes S0 - S12
3RH1921-1EA20	2	0	Side, sizes S0 - S12
3RH1921-1EA11	1	1	Side, sizes S0 - S12
3RH1921-1EA02	0	2	Side, sizes S0 - S12

*Additional types available.



Questions? Answers at...

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or 866-233-3538 • Fax 562-427-8429 or 860-256-2211 • Fax 860-290-8970



Siemens Control Relays

Sirius Control Relays - 10 amp

Part Number			
AC Operated	DC Operated	N/O	N/C
3RH1122-1A*	3RH1122-1B*	2	2
3RH1131-1A*	3RH1131-1B*	3	1
3RH1140-1A*	3RH1140-1B*	4	0

*Please add coil voltage suffix when ordering.

Coil Suffix

Voltage	AC	DC
24	B0	B4
110		F4
120	K6	
240	P6	
480	V6	
600	T6	

Sirius Control Relay Aux I

Part Number
3RH1911-1GA40
3RH1911-1GA31
3RH1911-1GA22
3RH1911-1GA13
3RH1911-1GA04

Questions? Answers at...

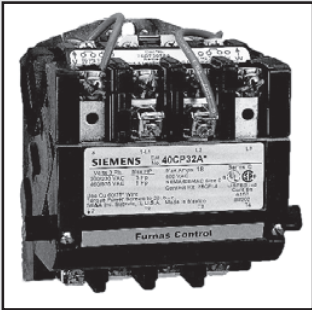
4.18

Western US: 866 CED-ELEV Eastern US: 866-253-2915
 or 866-233-3538 • Fax 562-427-8429 or 860-256-2211 • Fax 860-290-8970

Class 40 Heavy Duty Contactors

Part Number*	Nema Sizes	Max Inductive Current (Amps)	Maximum Horsepower Ratings			
			3-phase 50/60 Hz			
			200/208V	220/240V	460/480V	575/600V
40BG32A	Size 00	9	1½	1½	2	2
40CP32A	Size 0	18	3	3	5	5
40DP32A	Size 1	27	7½	7½	10	10
40EP32A	Size 1¼	40	10	10	15	15
40FP32A	Size 2	45	10	15	25	25
40GP32A	Size 2½	60	15	20	30	30
40HP32A	Size 3	90	20	30	50	50
40IP32A	Size 3½	115	30	40	75	75
40JG32A	Size 4	135	40	50	100	100
40KG32A	Size 4½	210	50	75	150	150
40LG32A	Size 5	270	75	100	200	200
40MG32A	Size 6	540	150	200	400	400
40NG32A	Size 7	810		300	600	600
40PG32A	Size 8	1215		450	900	900

*Please add coil voltage code when ordering.

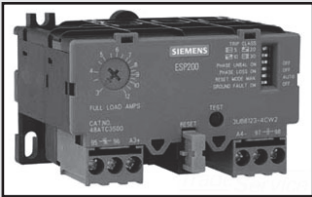


ESP200 Electronic Overload Relays

Part Number	Adjustable Trip Range (Amps)
48ATC3S00	3 to 20
48ATE3S00	10 to 40
48BTG3S00	25 to 100
48BTH3S00	50 to 200

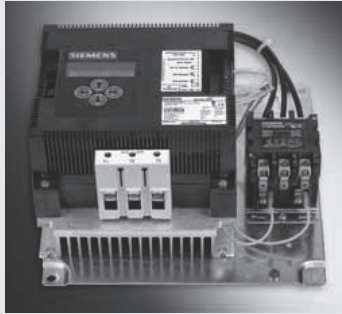
*Additional sizes available

Coil Voltage Codes	
AC Volts	Code
24 Separate Control	J
120 Separate Control	F
110-120 / 220-240	A
200-208	D
220-240	G
277	L
220-240 / 440-480	C
440-480	H
550-600	E



Questions? Answers at...

Western US: 866 CED-ELEV Eastern US: 866-253-2915
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Siemens Hydraulic Elevator Starters

Part Number	LINE Connected			Rated Current (Amps)	Overload Range (Amps)	Current Limit Range (Amps)
	120VAC					
	200 - 460V H.P. Ratings					
Control Voltage	200V	230V	460V			
72GG34AFP		5	10	18	6...25	24...85
72HG34AFP		5	7.5	15	8...30	28...103
72JG34AFP		7.5	10	20	10...39	36...135
72KG34AFP		7.5	10	25	13...49	45...166
72LG34AFP		10	15	30	15...57	53...196
72MG34AFP		15	20	40	20...75	70...257
72NG34AFP		20	25	50	24...93	87...319
72PG34AFP		25	30	60	29...112	104...382
72RG32AFP		40	50	130	48...181	168...618

Part Number	LINE Connected		Rated Current (Amps)	Overload Range (Amps)	Current Limit Range (Amps)	
	120VAC					
	460 - 575V H.P. Ratings					
Control Voltage	460V	575V				
72GG34AFP		10	15	18	6...25	24...85
72HG34AFP		15	20	22	8...30	28...103
72JG34AFP		20	25	28	10...39	36...135
72KG34AFP		25	30	35	13...49	45...166
72LG34AFP		30	40	42	15...57	53...196
72MG34AFP		40	50	55	20...75	70...257
72NG34AFP		50	60	68	24...93	87...319
72PG34AFP		60	75	80	29...112	104...382

Part Number	DELTA Connected			Rated Current (Amps)	Overload Range (Amps)	Current Limit Range (Amps)
	120VAC					
	200 - 460V H.P. Ratings					
Control Voltage	200V	230V	460V			
72EG34AFP		5	7.5	15	7...27	26...94
72GG34AFP		7.5	10	25	12...44	41...148
72HG34AFP		10	15	30	14...53	49...179
72JG34AFP		15	20	40	18...69	64...234
72KG34AFP		20	25	50	22...85	79...289
72LG34AFP		25	30	60	26...100	93...340
72MG34AFP		30	40	75	35...131	121...447
72NG34AFP		40	50	100	43...163	151...553
72PG34AFP		50	60	125	52...196	181...663
72RG32AFP		75	100	252	83...315	292...1071

Part Number	DELTA Connected		Rated Current (Amps)	Overload Ratings (Amps)	Current Limit Range (Amps)	
	120VAC					
	460 - 575V H.P.					
Control Voltage	460V	575V				
72EG34AFP		15	20	22	7...27	26...94
72GG34AFP		25	30	35	12...44	41...148
72HG34AFP		30	40	42	14...53	49...179
72JG34AFP		40	50	55	18...69	64...234
72KG34AFP		50	60	68	22...85	79...289
72LG34AFP		60	75	80	26...100	93...340
72MG34AFP		75	100	105	35...131	121...447
72NG34AFP		100	125	130	43...163	151...553
72PG34AFP		125	150	156	52...196	181...663

Questions? Answers at...

4.20

Western US: 866 CED-ELEV Eastern US: 866-253-2915
 or 866-233-3538 • Fax 562-427-8429 or 860-256-2211 • Fax 860-290-8970

CED Contactor Cross Reference Table



NEW Sprecher & Schuh "CA7" #	Obsolete Sprecher & Schuh "CA3" #	Obsolete G.E. Spectra 700 & CA5F #	G.E. 2000 Series #	Obsolete Siemens World Series #	Siemens Sirius Series #
CA7-9-10-120	CA3-9-10-120-NO	1 N.O. & 1 N.C. Aux Blocks as Listed	CL00A311TJ	3TF4022-0A	No Aux Blocks as Listed
CA7-9-10-120	CA3-9-10-120-NO	CR7CAA	CL00A311TJ	3TF4022-0AK6	3RT1023-1AK60
CA7-9-01-120	CA3-9-01-120-NO	CR7CAA	CL00A311TJ	3TF4022-0AK6	3RT1023-1AK60
CA7-9-10-220W	CA3-9-10-208-NO	CR7CAE	CL00A311TL	3TF4022-0AM2	3RT1023-1AM20
CA7-9-01-220W	CA3-9-01-208-NO	CR7CAE	CL00A311TL	3TF4022-0AM2	3RT1023-1AM20
CA7-9-10-220W	CA3-9-10-220-NO	CR7CAB	CL00A311TS	3TF4022-0AP6	3RT1023-1AN20
CA7-9-01-220W	CA3-9-01-220-NO	CR7CAB	CL00A311TS	3TF4022-0AP6	3RT1023-1AN20
CA7-9-10-480	CA3-9-10-480-NO	CR7CAC	CL00A311TU	3TF4022-0AV0	3RT1023-1AV60
CA7-9-01-480	CA3-9-01-480-NO	CR7CAC	CL00A311TU	3TF4022-0AV0	3RT1023-1AV60
CA7-12-10-120	CA3-12-10-120-NO	CR7CBA	CL01A311TJ	3TF4122-0AK6	3RT1024-1AK60
CA7-12-01-120	CA3-12-01-120-NO	CR7CBA	CL01A311TJ	3TF4122-0AK6	3RT1024-1AK60
CA7-12-10-220W	CA3-12-10-208-NO	CR7CBE	CL01A311TL	3TF4122-0AM2	3RT1024-1AM20
CA7-12-01-220W	CA3-12-01-208-NO	CR7CBE	CL01A311TL	3TF4122-0AM2	3RT1024-1AM20
CA7-12-10-220W	CA3-12-10-220-NO	CR7CBB	CL01A311TS	3TF4122-0AP6	3RT1024-1AN20
CA7-12-01-220W	CA3-12-01-220-NO	CR7CBB	CL01A311TS	3TF4122-0AP6	3RT1024-1AN20
CA7-12-10-480	CA3-12-10-480-NO	CR7CBC	CL01A311TU	3TF4122-0AV0	3RT1024-1AV60
CA7-12-01-480	CA3-12-01-480-NO	CR7CBC	CL01A311TU	3TF4122-0AV0	3RT1024-1AV60
CA7-16-10-120	CA3-16-10-120-NO	CR7CCA	CL02A311TJ	3TF4222-0AK6	3RT1025-1AK60
CA7-16-01-120	CA3-16-01-120-NO	CR7CCA	CL02A311TJ	3TF4222-0AK6	3RT1025-1AK60
CA7-16-10-220W	CA3-16-10-208-NO	CR7CCE	CL02A311TL	3TF4222-0AM2	3RT1025-1AM20
CA7-16-01-220W	CA3-16-01-208-NO	CR7CCE	CL02A311TL	3TF4222-0AM2	3RT1025-1AM20
CA7-16-10-220W	CA3-16-10-220-NO	CR7CCB	CL02A311TS	3TF4222-0AP6	3RT1025-1AN20
CA7-16-01-220W	CA3-16-01-220-NO	CR7CCB	CL02A311TS	3TF4222-0AP6	3RT1025-1AN20
CA7-16-10-480	CA3-16-10-480-NO	CR7CCC	CL02A311TU	3TF4222-0AV0	3RT1025-1AV60
CA7-16-01-480	CA3-16-01-480-NO	CR7CCC	CL02A311TU	3TF4222-0AV0	3RT1025-1AV60
CA7-23-10-120	CA3-23-10-120-NO	CR7CEA	CL25A311TJ	3TF4322-0AK6	3RT1026-1AK60
CA7-23-01-120	CA3-23-01-120-NO	CR7CEA	CL25A311TJ	3TF4322-0AK6	3RT1026-1AK60
CA7-23-10-220W	CA3-23-10-208-NO	CR7CEE	CL25A311TL	3TF4322-0AM2	3RT1026-1AM20
CA7-23-01-220W	CA3-23-01-208-NO	CR7CEE	CL25A311TL	3TF4322-0AM2	3RT1026-1AM20
CA7-23-10-220W	CA3-23-10-220-NO	CR7CEB	CL25A311TS	3TF4322-0AP6	3RT1026-1AN20
CA7-23-01-220W	CA3-23-01-220-NO	CR7CEB	CL25A311TS	3TF4322-0AP6	3RT1026-1AN20
CA7-23-10-480	CA3-23-10-480-NO	CR7CEC	CL25A311TU	3TF4322-0AV0	3RT1026-1AV60
CA7-23-01-480	CA3-23-01-480-NO	CR7CEC	CL25A311TU	3TF4322-0AV0	3RT1026-1AV60
CA7-30-00-120	CA3-30-10-120-NO	CR7CFA	CL04A311MJ*	3TF4422-0AK6	3RT1033-1AK60
CA7-30-00-120	CA3-30-01-120-NO	CR7CFA	CL04A311MJ*	3TF4422-0AK6	3RT1033-1AK60
CA7-30-00-220W	CA3-30-10-208-NO	CR7CFE	CL04A311ML*	3TF4422-0AM2	3RT1033-1AM20
CA7-30-00-220W	CA3-30-01-208-NO	CR7CFE	CL04A311ML*	3TF4422-0AM2	3RT1033-1AM20
CA7-30-00-220W	CA3-30-10-220-NO	CR7CFB	CL04A311MS*	3TF4422-0AP6	3RT1033-1AN20
CA7-30-00-220W	CA3-30-01-220-NO	CR7CFB	CL04A311MS*	3TF4422-0AP6	3RT1033-1AN20
CA7-30-00-480	CA3-30-10-480-NO	CR7CFC	CL04A311MU*	3TF4422-0AV0	3RT1033-1AV60
CA7-30-00-480	CA3-30-01-480-NO	CR7CFC	CL04A311MU*	3TF4422-0AV0	3RT1033-1AV60
CA7-37-00-120	CA3-37-120-NO	CR7CGA	CL45A311MJ*	3TF4522-0AK6	3RT1034-1AK60
CA7-37-00-220W	CA3-37-208-NO	CR7CGE	CL45A311ML*	3TF4522-0AM2	3RT1034-1AM20
CA7-37-00-220W	CA3-37-220-NO	CR7CGB	CL45A311MS*	3TF4522-0AP6	3RT1034-1AN20
CA7-37-00-480	CA3-37-480-NO	CR7CGC	CL45A311MU*	3TF4522-0AV0	3RT1034-1AV60
CA7-43-00-120	CA3-43-120-NO	CR7CHA	CL06A311MJ*	3TF4622-0AK6	3RT1035-1AK60
CA7-43-00-220W	CA3-43-208-NO	CR7CHE	CL06A311ML*	3TF4622-0AM2	3RT1035-1AM20
CA7-43-00-220W	CA3-43-220-NO	CR7CHB	CL06A311MS*	3TF4622-0AP6	3RT1035-1AN20
CA7-43-00-480	CA3-43-480-NO	CR7CHC	CL06A311MU*	3TF4622-0AV0	3RT1035-1AV60
CA7-60-00-120	CA3-60-120-NO	CR7CJA	CL07A311MJ*	3TF4722-0AK6	3RT1036-1AK60
CA7-60-00-220W	CA3-60-208-NO	CR7CJE	CL07A311ML*	3TF4722-0AM2	3RT1036-1AM20
CA7-60-00-220W	CA3-60-220-NO	CR7CJB	CL07A311MS*	3TF4722-0AP6	3RT1036-1AN20
CA7-60-00-480	CA3-60-480-NO	CR7CJC	CL07A311MU*	3TF4722-0AV0	3RT1036-1AV60
CA7-72-00-120	CA3-72-120-NO	CR7CKA	CL08A311MJ		3RT1044-1AK60
CA7-72-00-220W	CA3-72-208-NO	CR7CKE	CL08A311ML		3RT1044-1AM20
CA7-72-00-220W	CA3-72-220-NO	CR7CKB	CL08A311MS		3RT1044-1AN20
CA7-72-00-480	CA3-72-480-NO	CR7CKC	CL08A311MU		3RT1044-1AV60
CA7-85-00-120			CL09A311MJ	3TF4822-0AK6	3RT1045-1AK60
CA7-85-00-220W			CL09A311ML	3TF4822-0AM2	3RT1045-1AM20
CA7-85-00-220W			CL09A311MS	3TF4822-0AP6	3RT1045-1AN20
CA7-85-00-480			CL09A311MU	3TF4822-0AV0	3RT1045-1AV60
CA6-105-EI-11-120	CA1-60-120-NO	CA5F2A22110B	CL10A311MJ	3TF5022-0AK6	
CA6-105-EI-11-208	CA1-60-208-NO	CA5F2A22208S	CL10A311ML	3TF5022-0AM2	
CA6-105-EI-11-220	CA1-60-220-NO	CA5F2A22220B	CL10A311MS	3TF5022-0AP6	
CA6-105-EI-11-480	CA1-60-480-NO	CA5F2A22480S	CL10A311MU	3TF5022-0AV0	
CA6-140-EI-11-120	CA1-100-120-NO	CA5F3A22110B	CK75CE311J	3TF5122-0AK6	3RT1055-6AF36
CA6-140-EI-11-208	CA1-100-208-NO	CA5F3A22208S	CK75CE311L	3TF5122-0AM2	3RT1055-6AM36
CA6-140-EI-11-220	CA1-100-220-NO	CA5F3A22220B	CK75CE311N	3TF5122-0AP6	3RT1055-6AM36
CA6-140-EI-11-480	CA1-100-480-NO	CA5F3A22480S	CK75CE311Y	3TF5122-0AV0	3RT1055-6AR36

Note:

* If you are using an S&S contactor to replace this G.E. contactor in an application where the motor voltage is 208 VAC, go up one size on the S&S contactor.

Questions? Answers at...

Western US: 866 CED-ELEV Eastern US: 866-253-2915
or 866-233-3538 • Fax 562-427-8429 or 860-256-2211 • Fax 860-290-8970

CED Contactor Cross Reference Table

NEW Sprecher & Schuh "CA7" #	Cutler-Hammer Freedom Series I.E.C. #	Furnas 1 N.O. Aux Block as Listed	Obsolete Telemecanique D-Line #	Telemecanique TeSys #
CA7-9-10-120	No Aux Block as Listed		LC1D0910-G6	1 N.O. & N.C. Aux Blocks as Listed
CA7-9-10-120	CE15BNS3AB	40BG32AF or (AA)	LC1D0910G6	LC1D09G7
CA7-9-01-120	CE15BNS3AB		LC1D0901G6	LC1D09G7
CA7-9-10-220W	CE15BNS3EB	40BG32AD	LC1D0910L6	LC1D09LE7
CA7-9-01-220W	CE15BNS3EB		LC1D0901L6	LC1D09LE7
CA7-9-10-220W	CE15BNS3BB	40BG32AG or (AA)	LC1D0910M6	LC1D09M7
CA7-9-01-220W	CE15BNS3BB		LC1D0901M6	LC1D09M7
CA7-9-10-480	CE15BNS3CB	40BG32AH	LC1D0910T6	LC1D09T7
CA7-9-01-480	CE15BNS3CB		LC1D0901T6	LC1D09T7
CA7-12-10-120	CE15CNS3AB		LC1D1210G6	LC1D12G7
CA7-12-01-120	CE15CNS3AB		LC1D1201G6	LC1D12G7
CA7-12-10-220W	CE15CNS3EB		LC1D1210L6	LC1D12LE7
CA7-12-01-220W	CE15CNS3EB		LC1D1201L6	LC1D12LE7
CA7-12-10-220W	CE15CNS3BB		LC1D1210M6	LC1D12M7
CA7-12-01-220W	CE15CNS3BB		LC1D1201M6	LC1D12M7
CA7-12-10-480	CE15CNS3CB		LC1D1210T6	LC1D12T7
CA7-12-01-480	CE15CNS3CB		LC1D1201T6	LC1D12T7
CA7-16-10-120	CE15DNS3AB	40CP32AF or (AA)	LC1D1810G6	LC1D18G7
CA7-16-01-120	CE15DNS3AB		LC1D1801G6	LC1D18G7
CA7-16-10-220W	CE15DNS3EB	40CP32AD	LC1D1810L6	LC1D18LE7
CA7-16-01-220W	CE15DNS3EB		LC1D1801L6	LC1D18LE7
CA7-16-10-220W	CE15DNS3BB	40CP32AG or (AA)	LC1D1810M6	LC1D18M7
CA7-16-01-220W	CE15DNS3BB		LC1D1801M6	LC1D18M7
CA7-16-10-480	CE15DNS3CB	40CP32AH	LC1D1810T6	LC1D18T7
CA7-16-01-480	CE15DNS3CB		LC1D1801T6	LC1D18T7
CA7-23-10-120	CE15ENS3AB		LC1D2510G6	LC1D25G7
CA7-23-01-120	CE15ENS3AB		LC1D2501G6	LC1D25G7
CA7-23-10-220W	CE15ENS3EB		LC1D2510L6	LC1D25LE7
CA7-23-01-220W	CE15ENS3EB		LC1D2501L6	LC1D25LE7
CA7-23-10-220W	CE15ENS3BB		LC1D2510M6	LC1D25M7
CA7-23-01-220W	CE15ENS3BB		LC1D2501M6	LC1D25M7
CA7-23-10-480	CE15ENS3CB		LC1D2510T6	LC1D25T7
CA7-23-01-480	CE15ENS3CB		LC1D2501T6	LC1D25T7
CA7-30-00-120	CE15FNS3AB	40DP32AF or (AA)	LC1D3210G6	LC1D32G7
CA7-30-00-120	CE15FNS3AB		LC1D3201G6	LC1D32G7
CA7-30-00-220W	CE15FNS3EB	40DP32AD	LC1D3210L6	LC1D32LE7
CA7-30-00-220W	CE15FNS3EB		LC1D3201L6	LC1D32LE7
CA7-30-00-220W	CE15FNS3BB	40DP32AG or (AA)	LC1D3210M6	LC1D32M7
CA7-30-00-220W	CE15FNS3BB		LC1D3201M6	LC1D32M7
CA7-30-00-480	CE15FNS3CB	40DP32AH	LC1D3210T6	LC1D32T7
CA7-30-00-480	CE15FNS3CB		LC1D3201T6	LC1D32T7
CA7-37-00-120	CE15GNS3AB	40EP32AF or (AA)	LC1D4011G6	LC1D40G7
CA7-37-00-220W	CE15GNS3EB	40EP32AD	LC1D4011L6	LC1D40L7
CA7-37-00-220W	CE15GNS3BB	40EP32AG or (AA)	LC1D4011M6	LC1D40M7
CA7-37-00-480	CE15GNS3CB	40EP32AH	LC1D4011T6	LC1D40T7
CA7-43-00-120	CE15HNS3AB	40FP32AF or (AA)	LC1D5011G6	LC1D50G7
CA7-43-00-220W	CE15HNS3EB	40FP32AD	LC1D5011L6	LC1D50L7
CA7-43-00-220W	CE15HNS3BB	40FP32AG or (AA)	LC1D5011M6	LC1D50M7
CA7-43-00-480	CE15HNS3CB	40FP32AH	LC1D5011T6	LC1D50T7
CA7-60-00-120	CE15JNS3AB	40GP32AF or (AA)	LC1D6511G6	LC1D65G7
CA7-60-00-220W	CE15JNS3EB	40GP32AD	LC1D6511L6	LC1D65L7
CA7-60-00-220W	CE15JNS3BB	40GP32AG or (AA)	LC1D6511M6	LC1D65M7
CA7-60-00-480	CE15JNS3CB	40GP32AH	LC1D6511T6	LC1D65T7
CA7-72-00-120	CE15KNS3AB			
CA7-72-00-220W	CE15KNS3EB			
CA7-72-00-220W	CE15KNS3BB			
CA7-72-00-480	CE15KNS3CB			
CA7-85-00-120	CE15LN3A	40HP32AF or (AA)	LC1D8011G6	LC1D80G7
CA7-85-00-220W	CE15LN3E	40HP32AD	LC1D8011L6	LC1D80L7
CA7-85-00-220W	CE15LN3B	40HP32AG or (AA)	LC1D8011M6	LC1D80M7
CA7-85-00-480	CE15LN3C	40HP32AH	LC1D8011T6	LC1D80T7
CA6-105-EI-11-120	CE15MN3A	40IP32AF or (AA)	LC1F115G6 or LC1D11500G6	LC1D115G7
CA6-105-EI-11-208	CE15MN3E	40IP32AD	LC1F115L6 or LC1D11500L6	LC1D115L7
CA6-105-EI-11-220	CE15MN3B	40IP32AG or (AA)	LC1F115M6 or LC1D11500M6	LC1D115M7
CA6-105-EI-11-480	CE15MN3C	40IP32AH	LC1F115T6 or LC1D11500T6	LC1D115T7
CA6-140-EI-11-120	CE15NN3A	40JG32AF or (AA)	LC1F150G6 or LC1D15000G6	LC1D150G7
CA6-140-EI-11-208	CE15NN3E	40JG32AD	LC1F150L6 or LC1D15000L6	LC1D150L7
CA6-140-EI-11-220	CE15NN3B	40JG32AG or (AA)	LC1F150M6 or LC1D15000M6	LC1D150M7
CA6-140-EI-11-480	CE15NN3C	40JG32AH	LC1F150T6 or LC1D15000T6	LC1D150T7

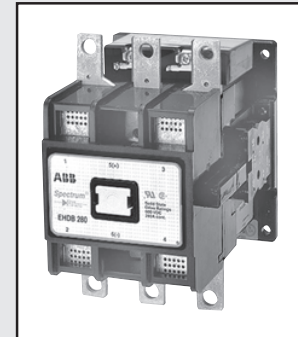
Notes: If you are using an S&S contactor to replace this G.E. contactor in an application where the motor voltage is 208 VAC, go up one size on the S&S contactor.

Aux block configurations differ slightly between mfrs, but nomenclature is common with 1st character indicating N.O. & 2nd character indicating N.C. See examples to determine part# placement per mfr. Configurations in chart are the most commonly found in elevator systems.

ABB DC Drive Contactors

Part Number*	Part Number*	Maximum Amp Ratings		Thermal		
		Make	Break	Amp Rating	Aux	
2-Pole (2 N.O)	3-Pole (2N.O.& 1 N.C.)	300 VDC	160 VDC	600 VDC	N/O	N/C
EHDB220C2P-1L	EHDB220C-1L	450	285	220	1	1
EHDB280C2P-1L	EHDB280C-1L	565	363	280	1	1
EHDB360C2P-1L	EHDB360C-1L	728	472	380	1	1
EHDB520C2P-1L	EHDB520C-1L	1040	680	520	1	1
EHDB650C2P-1L	EHDB650C-1L	1300	850	650	1	1
EHDB800C2P-1L	EHDB800C-1L	1600	1050	800	1	1
EHDB960C2P-1L	EHDB960C-1L	1920	1250	950	1	1

*Please add coil voltage code when ordering.



Coil Voltage Codes

	24	48	110	120	125	208	220	240	277	380	415	440	480	500	600
60 Hz	F	G		1		B	2	2	C			3	4		6
50 Hz	N		1				J			3	4			6	
DC	Y	W	P		Q		R					T			

Auxiliary Contacts

Part Number	N.O.		N.C.		Terminal Marking	
	N.O.	N.C.	N.O.	N.C.	N.O.	N.C.
CAL16-11A	1	1			13,14	21, 22
CAL16-11B	1	1			43, 44	31, 32
CAL16-11C	1	1			53, 54	61, 62
CAL16-11D	1	1			83, 84	71, 72
CAL16-11E	1*	1*			47, 48	35, 36

*Late break, early make.

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or 866-233-3538 • Fax 562-427-8429 or 860-256-2211 • Fax 860-290-8970

RELAY PART NUMBER KEY

GPS	2PDT	L	120AC
Relay Type	Contacts	Options	Coil Voltage

Relay Part Numbering System & Open Power Relays

Relay Part Numbering System

The relays offered in this catalog are manufactured by a variety of manufacturers including Magnecraft & Struthers-Dunn (MSD), Cyberdyn Systems, Potter & Brumfield, Idec, Line Electric, Square D, and others.

The part numbers have been created to simplify ordering. All relays are UL & CSA listed.

Open Power Relay Types

OPR = Open Power Relay

Contact Configuration

2PST = Two Pole Single Throw

2PDT = Two Pole Double Throw

4PDT = Four Pole Double Throw

Options

A = (1) SPDT Aux Contact

B = Magnetic Blowout

Plug-in Relay Types

GPS = General Purpose Square Base

GPO = General Purpose Octal Base

GPM = General Purpose Miniature

IC = Ice Cube Style

Contact Configuration

2PDT = Two Pole Double Throw

3PDT = Three Pole Double Throw

4PDT = Four Pole Double Throw

B4PDT = Bifurcated Four Pole Double Throw

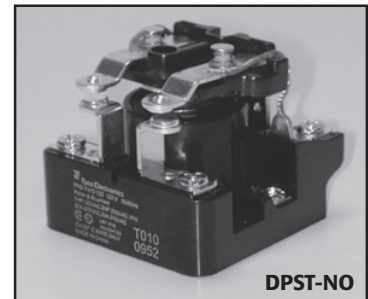
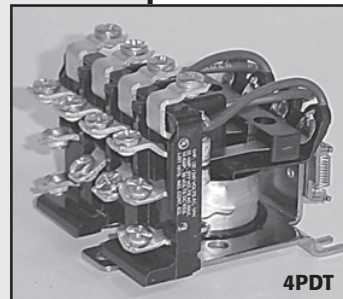
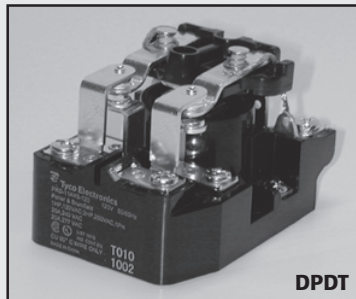
Options

L = LED

PB = Push Button

Open Power Relays

Please see opposite page for product specifications.



Questions? Answers at...

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Open Power Relays

Please see opposite page for product representations.



CED Part Number	Dover Number	Dover Print	Mont-gomery	Westing-house	Contacts	Mag. Blowout	Coil Number	PRD Number	PR Number	P&B Number	MSD Number
OPR2PST6AC					DPST-NO		6AC			PRD7AY06	199AX-6
OPR2PST12AC				H3088H03	DPST-NO		12AC			PRD7AY012	199AX-7
OPR2PST24AC					DPST-NO		24AC			PRD7AY024	W199AX-8
OPR2PST120AC	9713256	71979		H3088H013	DPST-NO		120AC	PRD60399	PR2819	PRD7AY0120	W199AX-9
OPR2PSTA120AC	9713104	75320			DPST-NO w/AUX		120AC	PRD60442	PR32741		
OPR2PSTB120AC	9741008, 9715423	71924			DPST-NO	YES	120AC	PRD60440	PR3723,	PRD7AH0120	199ABX-9
OPR2PST240AC	9713219, 9713268	71923, 72102	19240	H3088H02, H3088H016	DPST-NO		240AC	PRD60439, PRD11400, PRD60441	PR2710, PR2679, PR2820	PRD7AY0240	W199AX-10
OPR2PSTB240AC				H3088H01	DPST-NO	YES	240AC		PR1881	PRD7AH0240	
OPR2PST12DC			504742-12	H3088H020	DPST-NO		12DC			PRD7DY012	
OPR2PSTBDC	9909151, 9836676, 9776345	126673, 112634			DPST-NO	YES	12DC	PRD60581, PRD60162-1		PRD7DH012	199BX-7
OPR2PST24DC	9768257	76825	504742-024		DPST-NO		24DC	PRD60402	PR7DY024	PRD7DY024	W199X-8
OPR2PSTB24DC	9847054	147054			DPST-NO	YES	24DC	PRD60854	PR7DM, PRD60854	PRD7DH024	
OPR2PST48DC	9772698, 9769020, 9772686	77269, 77268, 76902	504742-048		DPST-NO		48DC	PRD60397	PR80075, PR80076	PRD7DY048	199X-17
OPR2PSTB48DC	9769018	76901	504640-048		DPST-NO	YES	48DC	PRD60396	PR7DM, PR80033	PRD7DH048	199BX-17
OPR2PST110DC				H3088H05, H3088H018, H3088H019	DPST-NO		110DC	PRD60520		PRD7DY0110	199X-9
OPR2PSTB110DC	9740145, 9741185	72104, 72768		H3088H015	DPST-NO	YES	110DC		PR3975	PRD7DH0110	199BX-9
OPR2PDT6AC					DPDT		6AC			PRD11AY06	
OPR2PDT12AC					DPDT		12AC			PRD11AY012	
OPR2PDTB12AC					DPDT	YES	12AC			PRD11AY012	
OPR2PDT24AC			28383, 502868-024		DPDT		24AC		PR2900	PRD11AY024	W199AX-13
OPR2PDTB24AC					DPDT	YES	24AC			PRD11AH024	
OPR2PDT120AC	9713207, 9741082	71922	19238, 55045, 511541, 502868-120	H3088H017	DPDT		120AC	PRD60438	PR2709, PR2678, PR2735	PRD11AY0120	W199AX-14
OPR2PDTA120AC	9755240	75524			DPDT w/AUX		120AC	PRD60444	PR11ALS		
OPR2PDTB120AC			55646, 514198-120		DPDT	YES	120AC			PRD11AH0120	W199ABX-14
OPR2PDT240AC	9713219	22419, 502868-240		H3088H011, H3088H014	DPDT		240AC			PRD11AY0240	
OPR2PDTB240AC				H3088H012	DPDT	YES	240AC			PRD11AH0240	
OPR2PDT12DC					DPDT		12DC			PRD11DY012	
OPR2PDTB12DC	9776357, 9742918	112635, 147053	504646-012		DPDT	YES	12DC	PRD604351, PRD608531		PRD11DH012	199BX-12
OPR2PDT24DC	9705533, 9768269	100555, 76826	502823-024		DPDT		24DC	PRD60403, PRD60401	PR11DY	PRD11DY024	W199X-13
OPR2PDTB24DC	9742920	142920			DPDT	YES	24DC	PRD60807		PRD11DH024	199BX-8
OPR2PDT48DC	9768993	76899	502823-048		DPDT		48DC	PRD60394	PR80032, PR3845	PRD11DY048	199X-18
OPR2PDTB48DC	9769043	76900	511099-048		DPDT	YES	48DC	PRD60395, PRD60394	PR3946	PRD11DH048	199BX-18
OPR2PDT110DC	9713360, 9741124, 9741150	72015, 72765, 72762		H3088H06	DPDT		110DC	PRD60398	PR2959, PR2782, PR27863	PRD11DY0110	W199X-14
OPR2PDTB110DC	9720121, 9809144	109149			DPDT	YES	110DC	PRD60816, PRD60521		PRD11DH0110	W199BX-14
OPR2PDT230DC					DPDT		230DC			PRD11DY0230	
OPR2PDTB230DC					DPDT	YES	230DC			PRD11DH0230	
OPR1PSTB24DC					SPST	YES	24DC				199DBX-3
OPR4PDT24AC			500943-024		4PDT		24AC			PM17AY24	
OPR4PDT120AC			500943-120		4PDT		120AC			PM17AY120	
OPR4PDT208AC			500943-208		4PDT		208AC			PM17AY208	
OPR4PDT240AC	9713050		500943-240		4PDT		240AC			PM17AY240	
OPR4PDT110DC					4PDT		110DC			PM17DY110	

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General Purpose Relays

IC [Ice Cube] Series

Contact Config	Coil Voltage	With LED	With LED Bifurcated Contacts	With LED & Push Button Bifurcated Contacts
4PDT	6AC	IC4PDTL6AC	ICB4PDTL6AC	ICB4PDTLPB6AC
4PDT	12AC	IC4PDTL12AC	ICB4PDTL12AC	ICB4PDTLPB12AC
4PDT	24AC	IC4PDTL24AC	ICB4PDTL24AC	ICB4PDTLPB24AC
4PDT	120AC	IC4PDTL120AC	ICB4PDTL120AC	ICB4PDTLPB120AC
4PDT	240AC	IC4PDTL240AC	ICB4PDTL240AC	ICB4PDTLPB240AC
4PDT	6DC	IC4PDTL6DC	ICB4PDTL6DC	ICB4PDTLPB6DC
4PDT	12DC	IC4PDTL12DC	ICB4PDTL12DC	ICB4PDTLPB12DC
4PDT	24DC	IC4PDTL24DC	ICB4PDTL24DC	ICB4PDTLPB24DC
4PDT	48DC	IC4PDTL48DC	ICB4PDTL48DC	ICB4PDTLPB48DC
4PDT	110DC	IC4PDTL110DC	ICB4PDTL110DC	ICB4PDTLPB110DC

OEM Cross Reference

Part Number	Armor Number	Montgomery Number	Westinghouse Number	Dover Number	Otis Number
ICB4PDTL120AC		61306			AAA613CZ9
ICB4PDTL24DC		512961-024			AAA613CZ2
IC4PDTL6DC		44572			
IC4PDTL12DC		48232			
IC4PDTL24DC	13850-01	65952		9954934	
IC4PDTL48DC	13633-01, 13602-01	502871-048		9954946	
IC4PDTL110DC	13632-01, 13603-01	511527-110, 043744			
IC4PDTL6AC		49896			
IC4PDTL12AC		45377			
IC4PDTL24AC		43444			
IC4PDTL120AC	14291-01	45516	2893C24-H07		
IC4PDTL240AC	14296-01	47477			
ICB4PDTL240AC					AAA613CZ7
ICB4PDTL12DC					AAA613CZ10
ICB4PDTL12AC					AAA613CZ13
ICB4PDTL6DC					AAA613CZ20
ICB4PDTLPB120AC				9954922	AAA613CZ22
ICB4PDTLPB48DC					AAA613CZ23



Manufacturer Cross Reference

Manufacturer	Series
Allen-Bradley	700-HC24
Aromat	HC4
Cutler-Hammer	MC4S
Idec	RY4S RY42S
Line Electric	SRE
Midtex	156
Omron*	MY4
P&B*	KHAU
Square D	8501-RS14(AC) 8501-RSD14(DC)
Struthers-Dunn	C281XDX
Cyberdyn*	HJQ22F
Schneider*	RXM

* Stock brands

Questions? Answers at...

4.26

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General Purpose Relays

GPM [Miniature] Series

Coil Voltage	With LED	With LED & Push Button
6AC	GPM2PDTL6AC	GPM2PDTLPB6AC
12AC	GPM2PDTL12AC	GPM2PDTLPB12AC
24AC	GPM2PDTL24AC	GPM2PDTLPB24AC
120AC	GPM2PDTL120AC	GPM2PDTLPB120AC
240AC	GPM2PDTL240AC	GPM2PDTLPB240AC
6DC	GPM2PDTL6DC	GPM2PDTLPB6DC
12DC	GPM2PDTL12DC	GPM2PDTLPB12DC
24DC	GPM2PDTL24DC	GPM2PDTLPB24DC
48DC	GPM2PDTL48DC	GPM2PDTLPB48DC
110DC	GPM2PDTL110DC	GPM2PDTLPB110DC

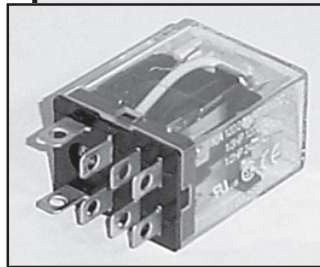
OEM Cross Reference

Part Number	Montgomery Number	US Number	Dover Number	Otis Number
GPM2PDTL110DC			9951854, 9832427	
GPM2PDTL120AC	090210-011		9953048 9715629	
GPM2PDTL12DC	514595			AAA613CZ17
GPM2PDTL24DC	513252		9953700	
GPM2PDTL48DC		930-35053-000	9953887 9719970	
GPM2PDTL12DC		9783295		
GPM2PDTL240AC		9746341		

Manufacturer Cross Reference

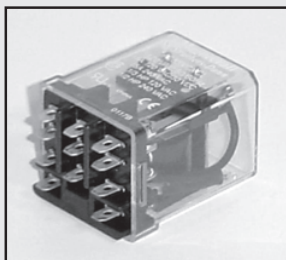
Manufacturer	Series
Allen-Bradley	700-HF32
Aromat	HL2
Cutler-Hammer	MP2B
Idec	RH2B
Line Electric	SRT
Midtex	258
Omron*	LY2
P&B*	K10
Square D	8501-RS42
Struthers-Dunn	C281XBX
Schneider*	RPM

* Stock brands



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Manufacturer Cross Reference

Manufacturer Series	DPDT	3PDT
Allen-Bradley	700-HB32	700-HB33
Aromat	HP32	HP33
Cutler-Hammer	D5PR2	D5PR3
Idec	RR2B	RR3B
Line Electric	CRH102C	CRH103C
Midtex	157-22	157-23
P&B*	KUP11	KUP14
Square D	8501-KU12	8501-KU13
Struthers-Dunn	A283XBX	A283XCX
Schneider*	RUMF2	RUMF2

* Stock brands

General Purpose Relays

GPS [Square Base] Series

Contact Config	Coil Voltage	With LED	With LED & Push Button
DPDT	6AC	GPS2PDTL6AC	GPS2PDTLPB6AC
DPDT	12AC	GPS2PDTL12AC	GPS2PDTLPB12AC
DPDT	24AC	GPS2PDTL24AC	GPS2PDTLPB24AC
DPDT	120AC	GPS2PDTL120AC	GPS2PDTLPB120AC
DPDT	240AC	GPS2PDTL240AC	GPS2PDTLPB240AC
DPDT	6DC	GPS2PDTL6DC	GPS2PDTLPB6DC
DPDT	12DC	GPS2PDTL12DC	GPS2PDTLPB12DC
DPDT	24DC	GPS2PDTL24DC	GPS2PDTLPB24DC
DPDT	48DC	GPS2PDTL48DC	GPS2PDTLPB48DC
DPDT	110DC	GPS2PDTL110DC	GPS2PDTLPB110DC
3PDT	6AC	GPS3PDTL6AC	GPS3PDTLPB6AC
3PDT	12AC	GPS3PDTL12AC	GPS3PDTLPB12AC
3PDT	24AC	GPS3PDTL24AC	GPS3PDTLPB24AC
3PDT	120AC	GPS3PDTL120AC	GPS3PDTLPB120AC
3PDT	240AC	GPS3PDTL240AC	GPS3PDTLPB240AC
3PDT	6DC	GPS3PDTL6DC	GPS3PDTLPB6DC
3PDT	12DC	GPS3PDTL12DC	GPS3PDTLPB12DC
3PDT	24DC	GPS3PDTL24DC	GPS3PDTLPB24DC
3PDT	48DC	GPS3PDTL48DC	GPS3PDTLPB48DC
3PDT	110DC	GPS3PDTL110DC	GPS3PDTLPB110DC

OEM Cross Reference

Part Number	Armor Number	Haghton Number	Montgomery Number	US Number	Westinghouse Number	Dover Number	Otis Number
GPS2PDTL240AC			510848-240				
GPS3PDTL240AC			502546-240				
GPS3PDTL48DC			505592-048	930-35030-000			P613AB6
GPS3PDTL110DC			505592-110			9853558	P613AB2, P613AB8, P613AB11, R0613A2, P613AB1
GPS3PDTL120AC			505601-120, 507117, 507200			9853522	P613AB7, P613AB9, P613AB12
GPS3PDT24AC							AAA613CZ14
GPS3PDT120AC							AAA613CZ15
GPS3PDTL24DC	13046-01		505592-024		2893C24-H11	9853534	R0613A1
GPS3PDTL6DC						9853546	
GPS3PDTLPB110DC	11384-01	3-40092-34	507174		2893C24-H02	9853558	P613AB4, P613AB5
GPS3PDTL12AC		3-40092-30					
GPS3PDTL240AC		3-40092-33					
GPS3PDTL240DC	11387-01			930-35033-000			
GPS3PDTL24AC		3-40092-31					
GPS3PDTL48DC	11385-01			930-35030-000	2893C24-H05		

Questions? Answers at...

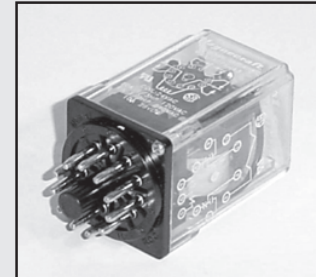
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 or 866-233-3538 • Fax 562-427-8429 or 860-256-2211 • Fax 860-290-8970

General Purpose Relays

GPO (Octal Base) Series

Contact Config	Coil Voltage	Basic Relay	With LED & Push Button
DPDT	6AC	GPO2PDT6AC	GPO2PDTLPB6AC
DPDT	12AC	GPO2PDT12AC	GPO2PDTLPB12AC
DPDT	24AC	GPO2PDT24AC	GPO2PDTLPB24AC
DPDT	120AC	GPO2PDT120AC	GPO2PDTLPB120AC
DPDT	240AC	GPO2PDT240AC	GPO2PDTLPB240AC
DPDT	6DC	GPO2PDT6DC	GPO2PDTLPB6DC
DPDT	12DC	GPO2PDT12DC	GPO2PDTLPB12DC
DPDT	24DC	GPO2PDT24DC	GPO2PDTLPB24DC
DPDT	48DC	GPO2PDT48DC	GPO2PDTLPB48DC
DPDT	110DC	GPO2PDT110DC	GPO2PDTLPB110DC
3PDT	6AC	GPO3PDT6AC	GPO3PDTLPB6AC
3PDT	12AC	GPO3PDT12AC	GPO3PDTLPB12AC
3PDT	24AC	GPO3PDT24AC	GPO3PDTLPB24AC
3PDT	120AC	GPO3PDT120AC	GPO3PDTLPB120AC
3PDT	240AC	GPO3PDT240AC	GPO3PDTLPB240AC
3PDT	6DC	GPO3PDT6DC	GPO3PDTLPB6DC
3PDT	12DC	GPO3PDT12DC	GPO3PDTLPB12DC
3PDT	24DC	GPO3PDT24DC	GPO3PDTLPB24DC
3PDT	48DC	GPO3PDT48DC	GPO3PDTLPB48DC
3PDT	110DC	GPO3PDT110DC	GPO3PDTLPB110DC



Manufacturer Cross Reference

Manufacturer Series	DPDT	3PDT
Allen-Bradley	700-HA32	700-HA33
Cutler-Hammer	MR2P	MR3P
Idec	RR2P	RR3PA
Line Electric	MKH2C	MKH3C
Midtex	158-92	
Omron	MK2P	MK3P
P&B	KRPA11	KRPA14
Square D	8501-KP12	8501-KP13
Struthers-Dunn	A314XBX	A314XCX
Schneider*	RUMC2	RUMC3
Finder*	60.12	60.13

* Stock brands

OEM Cross Reference

Part Number	Armor Number	Montgomery Number	Otis Number
GPO1PDT24AC	11350-01		VP-840005
GPO2PDT24DC	11341-01		
GPO1PDT24DC	11344-01		
GPO2PDT6AC	11345-01		
	11347-01		
	12526-01		
GPO2PDT110DC	12574-01		
GPO2PDT240AC	12520-01		
GPO3PDT240AC		502835-240	

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Relay Bases

P&B Number	Midtex Number	Omron Number	MSD Number	Idec Number	Custom Connector	Aromat Number	Figure Number
27E305					CM11-LPCB		1
27E1038			70-478-1	RP-78-604	ES35		
27E1039			70-475-1	RP-78-605	ES50		
27E304	670-0013		70-178-1		CM11-PCB		1
27E488	S258-2SL00	PT08	70-401-1	SH2B-51	GR108-SLD		6
27E006	670-0002	PY14	70-378-1	SY4S-51	MR14-SLD		8
27E031	670-0003	PY14	70-379-1	SY4S-61	MR14-PCB		8
27E067	670-0012		70-124-2		CM11-QDC		1
27E043	670-0009		70-124-1	SR3B-51	CM11-SLD		1
27E489	S258-2PC00	PT08-0	70-402-1	SH2B-62	GR108-PCB		6
20C217		PYC-P	16-1197		HDB-4		10
27E023	670-0033	PY08-02	70-402-1		MR08-PCB-1G	HC2-PS-K	8
27E007	670-0014	PY14-02	70-379-1		MR14-PCB-1G	HC4-PS-K	8
27E895	D258-2TS00	PTF08A-E	70-459-1	SH2B-05	GT08-PC		7
27E894	670-0120	PYF14AE	70-461-1	SY4S-05	MT14-PC		9
27E122*	670-0127	PF083A-E	70-464-1	SR2P-06	OT08-PC		4
27E121	670-0125		70-463-1		SS11-PC		3
		PF083A-E	70-464-1	SR2P-05	OT08-PC		4
27E123	670-0126	PF113A-E	70-465-1	SR3P-06	OT11-PC		5
27E895	D258-2TS00	PYC-A1	16-1197		GT08-PC		7
27E166	670-0120				MT14-PC		9
27E487	S258-2TS00				GR108-PC		6
27E893	D157-3TS00		70-463-1	SR3B-05	ST11-PC		2

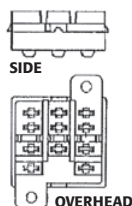


FIGURE 1
Chassis Mount
Square Base

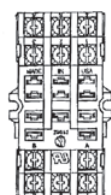


FIGURE 2
Direct or DIN
Rail Mount
Square Base

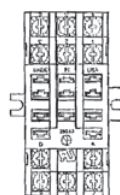


FIGURE 3
Direct Mount
Square Base

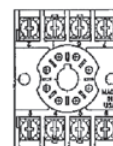


FIGURE 4
8-Pin Direct or DIN
Rail Mount
Octal Base

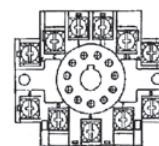


FIGURE 5
11-Pin Direct or DIN
Rail Mount
Octal Base



FIGURE 6
Chassis Mount
DPDT
Miniature Base



FIGURE 7
Direct or DIN
Rail Mount DPDT
Miniature Base



FIGURE 8
Chassis Mount
4PDT
Ice Cube Base



FIGURE 9
Direct or DIN
Rail Mount 4PDT
Ice Cube Base



FIGURE 10
Hold Down
Spring Clip

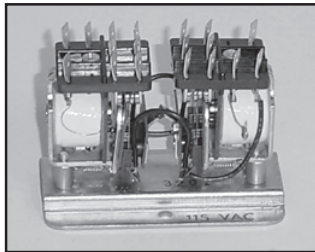
Questions? Answers at...

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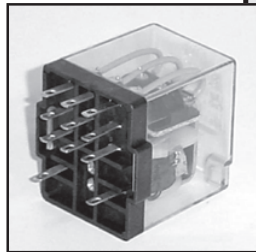
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Miscellaneous & Special Purpose Relays

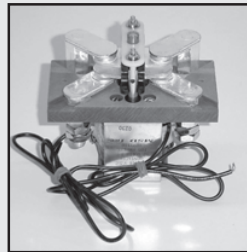
Manufacturer	Part Number	Description
Line Electric	RL6880	Latching, DPDT Dual 240VAC Coil, Enclosed, Dover 9860095
Line Electric	RL6947	Latching, Dual Coil 115VDC, Open, Dover 9753047, P&B KB1228
Line Electric	1223A120VAC	3PDT, Replaces Guardian 1220-3C-12, A410-361341-01 3PDT, A410-361341-00, A410-361344-00, A410-365633-15
Line Electric	RL5538	Latching, Dual 120VAC Coil, Enclosed
MSD	A103XRX100	Dover #15 Contactor, 9871184
MSD	A103XXH100	Dover #14 Contactor, 9871196
Aromat	VC15-4A-AC120V	4N.O. 120VAC (Obsolete, replaced with Omron G7J4ATW1AC100120)
Aromat	VC15-3A1B-AC120V	3N.O. 1N.C. 120VAC (Obsolete, replaced with Omron G7J2A2BTW1AC100120)
Aromat	VC15-2A2B-AC120V-H8	2N.O. 2N.C. 120V with Push Button (Obsolete, replaced with Omron G7J3A1BTW1AC100120)
Aromat	VC15-2A1B-AC120V	2N.O. 1N.C. 120VAC
Aromat	VC15-S3A1B-AC120VD	3N.O. 1N.C. 120VAC, Screw Terminals (Obsolete, replaced with Omron G7J3A1BBW1AC100120)
Omron	LY2D-DC12	DPDT with Diode Surge Suppression on Coil, Dover 9783295
Omron	LY2D-DC24	DPDT with Diode Surge Suppression on Coil, Dover 9783398
Omron	MY4N-D2-DC100/110(S)	4PDT with Diode Surge Suppression on Coil, Dover 9811060
Omron	MY4N-D2-DC24(S)	4PDT with Diode Surge Suppression on Coil, Dover 9791061
Omron	LY4-AC110/120	4PDT 120AC Coil, 10 AMP
Omron	LY4N-AC110/120	4PDT 120AC Coil w/LED, 10 AMP



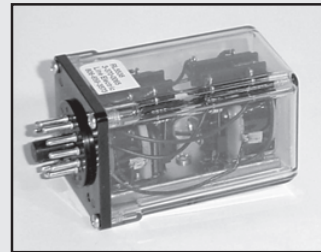
OPEN STYLE, DUAL COIL LATCHING



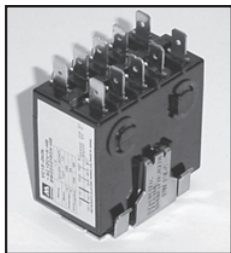
1223A120VAC



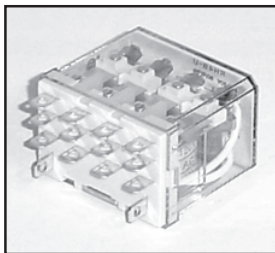
DOVER 14 & 15 CONTACTORS



ENCLOSED, DUAL COIL LATCHING



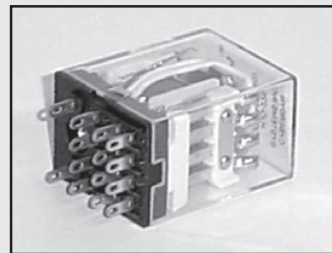
VC15 RELAY



4PDT 10AMP RELAY



DPDT WITH DIODE SURGE SUPPRESSION ON COIL



4PDT WITH DIODE SURGE SUPPRESSION ON COIL

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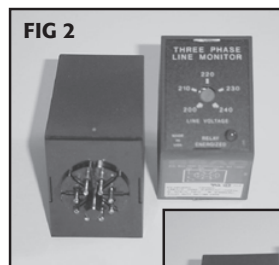
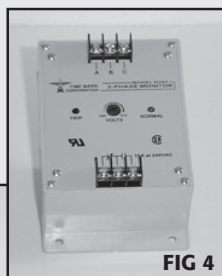
Phase Monitors

Part numbers in **bold** are normally in stock.

Description	Manufacturer	Manufacturer Part Number	Phase Loss	Phase Reversal	Over Voltage	Under Voltage	Voltage Unbalance	Can Use on Wye or Delta Systems	Detects Phase		Figure
									Loss with Regenerated Voltage Present		
Single Phase, Plug-in											
97-130V	Diversified	UOA-120-ALA				•					1
80-130V	Time-Mark	AC260B80-130				•					3
3 Phase, Plug-in											
85-120V	Time-Mark	B258B	•	•		•		•		•	3
160-240V	Time-Mark	258B	•	•		•		•		•	3
200-240V	SSAC	PLM6405	•	•		•	•	•		•	2
200-500V	Macromatic	PMPU	•	•	•	•	•	•			
190-270V	SSAC	PLR240A	•	•		•		•			6
300-400V	Time-Mark	EX258B	•	•		•		•			3
340-450V	SSAC	PLR380A	•	•		•		•			6
380-480V	Time-Mark	A258B	•	•		•		•			3
400-480V	SSAC	PLM9405	•	•		•	•	•		•	2
380-500V	SSAC	PLR480A	•	•		•		•			6
3 Phase, Direct Mount											
450-575V	Time-Mark	D263	•	•		•		•			4
500-600V	SSAC	WLM045A5S	•	•		•	•				not shown
3 Phase, Rail or Direct Mount											
200-500V	SSAC	DLMUBRAAA	•	•	•	•	•	•			
500-600V	SSAC	DLMHBRAAA	•	•	•	•	•	•		•	5

Accessories

Description	Function	Manufacturer	Manufacturer Part Number	Figure
SSAC Adapter Plate	Allows DLM monitors to directly replace Agastat PMBL monitors without drilling new mounting holes	SSAC	P0700-306	5
8-Pin Relay Base	10A 600V, UL & CSA Approved	MSD	70-464	



Questions? Answers at...

Timers

Socket Mounted Timers

Part Number	Function	Voltage	Contacts	Range
TDT-24-AGA-010	8-Pin True Off Delay	24AC/DC	DPDT 10A	.1-10 sec.
TDT-24-AGA-030	8-Pin True Off Delay	24AC/DC	DPDT 10A	.3-30 sec.
TRM24A2Z10	On Delay	24AC	DPDT 10A	.1-10 sec.
TRM120A2Z10	8-Pin On Delay	120AC	DPDT 10A	.1-10 sec.
9050JCK13V20	8-Pin On Delay	120AC 110DC	DPDT 10A	.6-60 sec.
9050JCK23V20	11-Pin Off Delay	120AC 110 DC	DPDT 10A	.6-60 sec.
TRU3	11-Pin On/Off Delay Repeat 1-Shot Interval	12-240V AC/DC	DPDT 10A	1 Sec.-9,990 hrs.
TRU1	8-Pin On Delay	12-240V AC/DC	DPDT 10A	1 Sec.-9,990 hrs.



Solid State Timers

Part Number	Function	Voltage	Output	Range
TDUL3000A	On Delay	24-120AC/DC	1A	.1-102.3 sec.
4300-A-3-1	Interval	24DC	10ma-1A	.1-30 sec.
438U*	On Delay	19-288AC/DC	10ma-1A	1-1000 sec.
438USA	On Delay	19-288 AC/DC	10 ma-1A	1-1024 sec.

*Jumper across timing terminals produces 1-second delay.
Add resistor to increase time (10k per sec.).

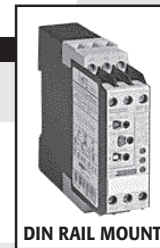


Rail Mount Timers

Part Number	Function	Voltage	Contacts	Range
1SVR630100R3300	On Delay	24, 42-48 AC/DC 110-240AC	SPDT	.05 sec-300 hrs.
1SVR630010R3200	On Delay Off Delay Flasher Star-Delta	24 AC/DC 110-240 AC	(1) SPDT Timed (1) SPDT Instant	.05 sec-300 hrs.
ASQUA3*	On Delay Off Delay Interval 1 Shot, Recycle	24 to 240 AC	Series Output .7 A	.1 sec-100 min.
ASQUD3*	On Delay Off Delay Interval 1 Shot, Recycle	9 to 110 DC	Series Output .7 A	.1 sec-100 min.
1SVR630110R3300	On Delay	24, 42-48 AC/DC 110-240AC	DPDT	.05 Sec-300 hrs.

* Ultra small package 2.41"H x 3.00"L x .69"W.

* Comes with surface and rail mount adapters.



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Notes



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Full line catalog available upon request